



MUNICIPAL OPERATIONS

CITY OF SAINT JOHN N.B.



WATER AND SEWER CAPITAL 1990

1990 WATER AND SEWER CAPITAL PROGRAM

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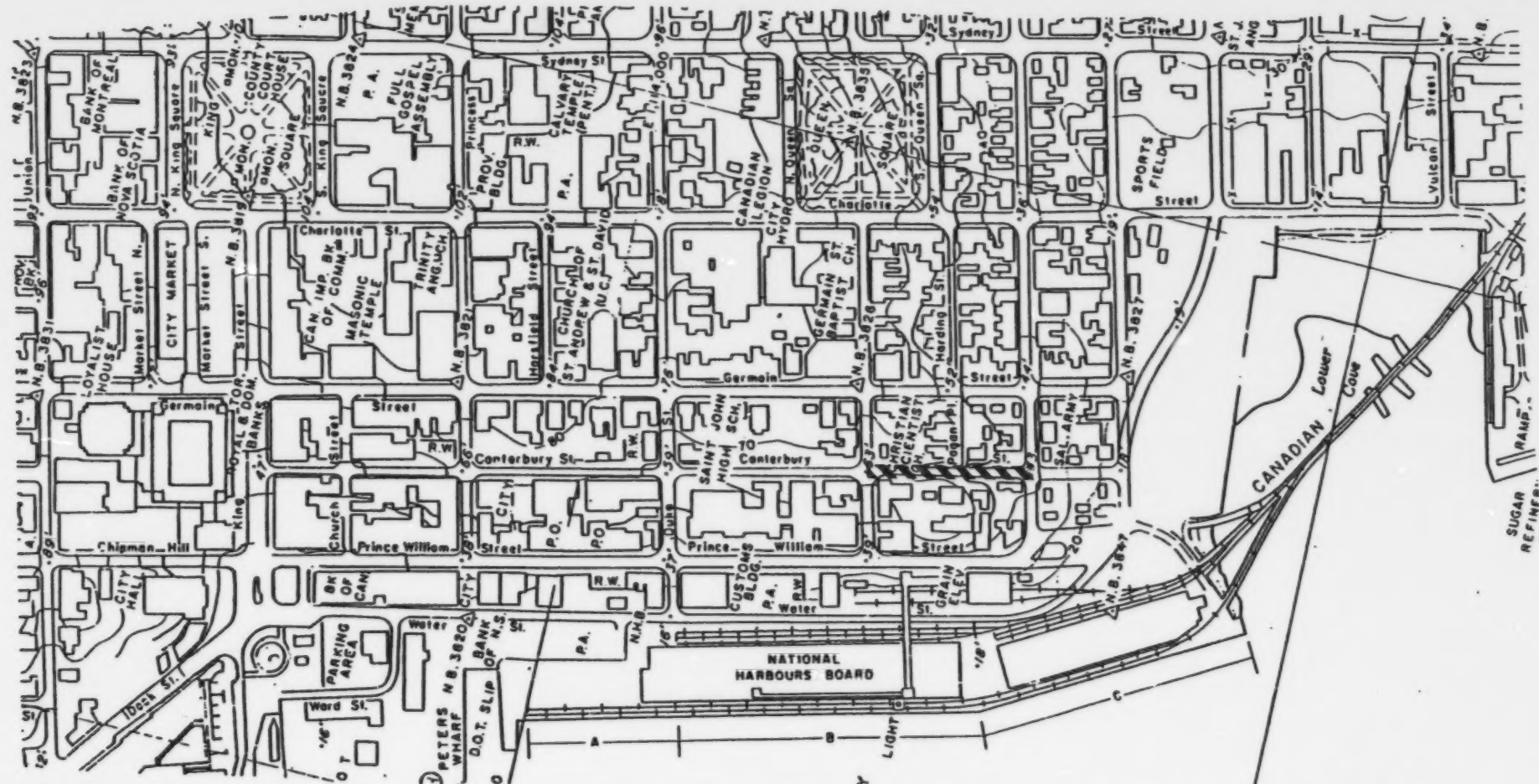
1990 WATER CAPITAL

91-06585/

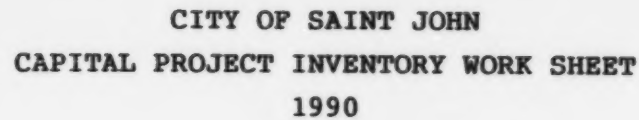
STREET NAME: CANTERBURY STREET

PAGE NO.:

DATE:



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
////	Water	1	Queen to St. James - renew existing 4" (1892) with an 8" watermain - 500'	80,000

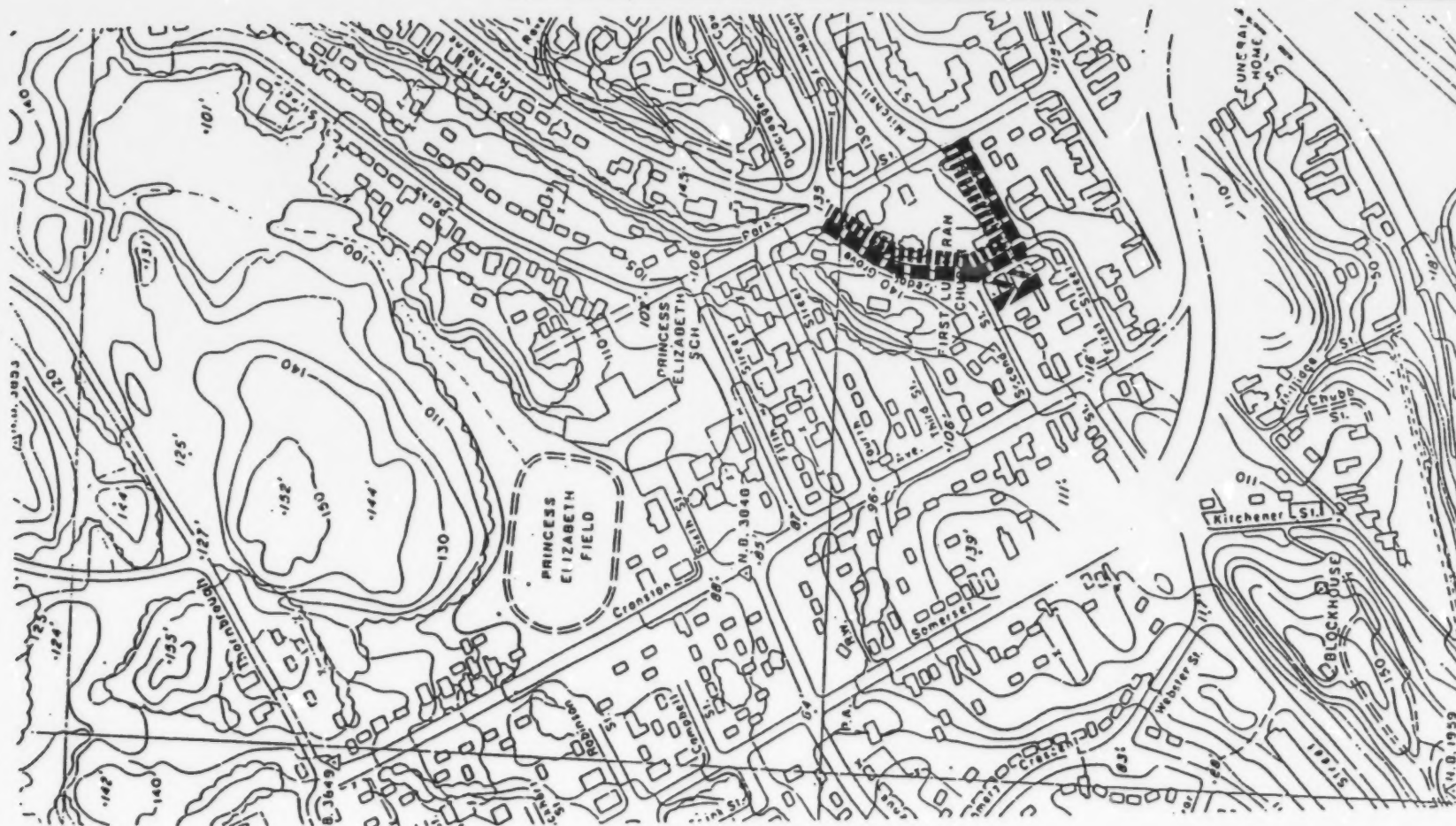


PROJECT NO. : _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

DATE: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
1	Water	1	Second St. to Clifton St - renew 380' of 8" watermain	\$56,000
2	Sanitary	1	Second St. to Clifton St - renew approx. 420' of 9" sewer	66,000
3	Maintenance	2	Park Street to Park Street - asphalt resurfacing following W&S curb & sidewalk reconstruction	
4	Transportation	2	Park Street to Park Street - concrete curb, concrete sidewalk, landscaping	85,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 2
PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Cedar Grove Crescent - Second Street to Clifton Street

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection indicated the sewer was in poor condition and required renewal. Since the watermain installed in 1927 is in the same trench, it will have to be renewed at the same time as the sewer.

5. PROJECT DESCRIPTION:

Renew 380' of 8" watermain (1927).

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ 56,000
RECOVERIES	\$
NET COST	\$ 56,000

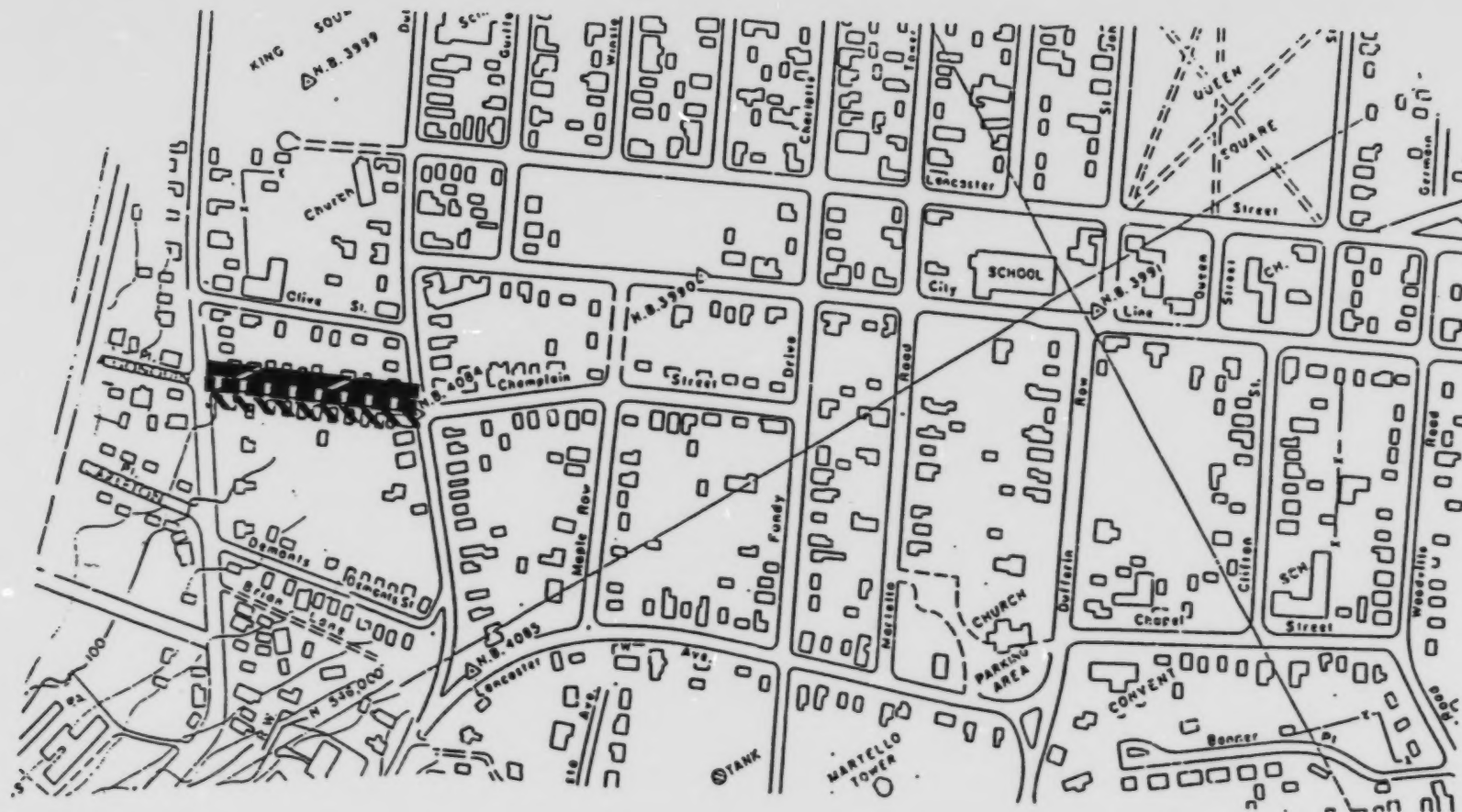
7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$
(1990) \$ 56,000
(1991) \$
(1992) \$

8. PROJECT OPERATING COST
ANNUAL \$

STREET NAME: Champlain Street (W)

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
1	Water	1	Duke Street to Prince Street - renew 600' of 6" C.I. (1915)	\$72,000
2	Sanitary	1	Duke Street to Prince Street - renew 600' of 20" T.C.	68,000
3	Transportation	2A	Duke Street to Prince Street - concrete curb & sidewalk, pave	57,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 3
PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Champlain Street (W) - Duke Street to Prince Street

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection indicated the sewer was in poor condition and required renewal. Since the watermain installed in 1915 is in the same trench, it will have to be renewed at the same time as the sewer.

5. PROJECT DESCRIPTION:

Renew 600' of 6" C.I. (1915).

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>72,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>72,000</u>

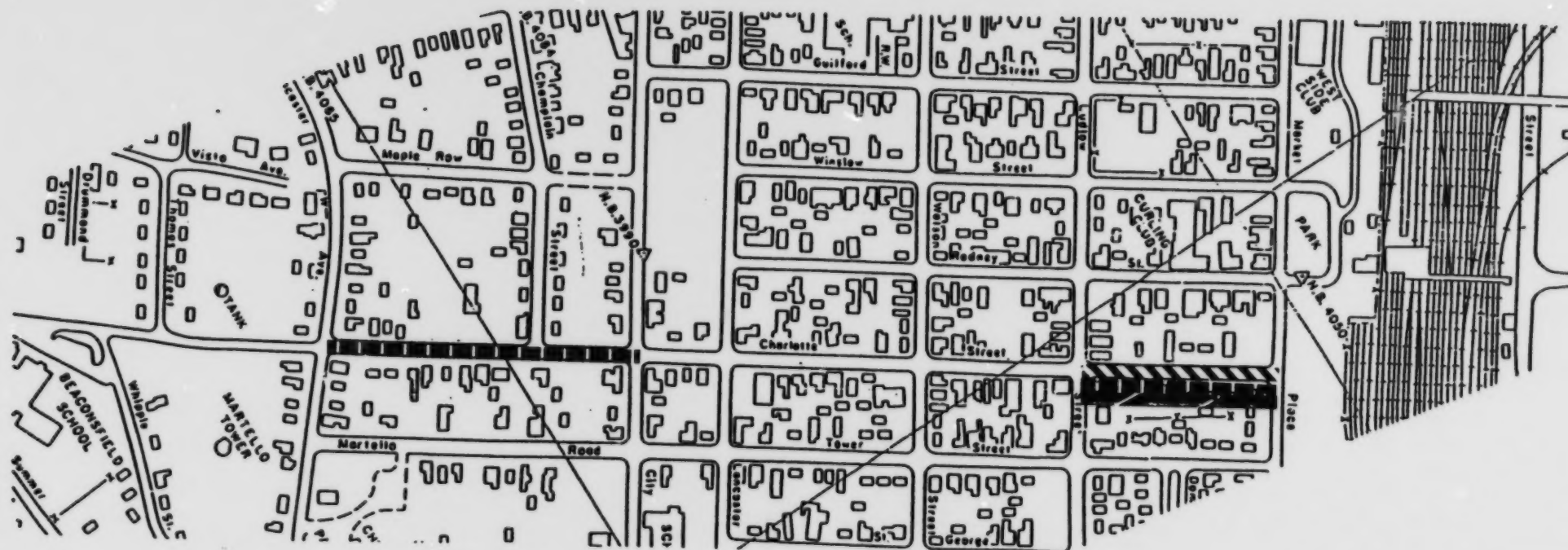
7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
(1990) \$ <u>72,000</u>
(1991) \$ _____
(1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME: Charlotte Street (W)

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■■■■■	Transportation	1	Lancaster Ave. to City Line - concrete curb, concrete sidewalk, landscaping, pave	\$76,000
////	Water	1	Market Place to Ludlow - renew 600' of 6" (1931) with 12"	62,000
———	Sanitary	1	Market Place to Ludlow - renew approx. 600' of 12" sewer	30,000
■■■■■	Transportation	2	Ludlow to Market Place - concrete curb & sidewalk, landscaping, paving	50,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 4

PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Charlotte Street (W) - Market Place to Ludlow

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☒ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

To increase fire flows, increase flows to the port and improve low pressure areas.

5. PROJECT DESCRIPTION:

Renew 600' of 6" (1931) with 12".

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	<u>\$ 62,000</u>
RECOVERIES	<u>\$</u>
NET COST	<u>\$ 62,000</u>

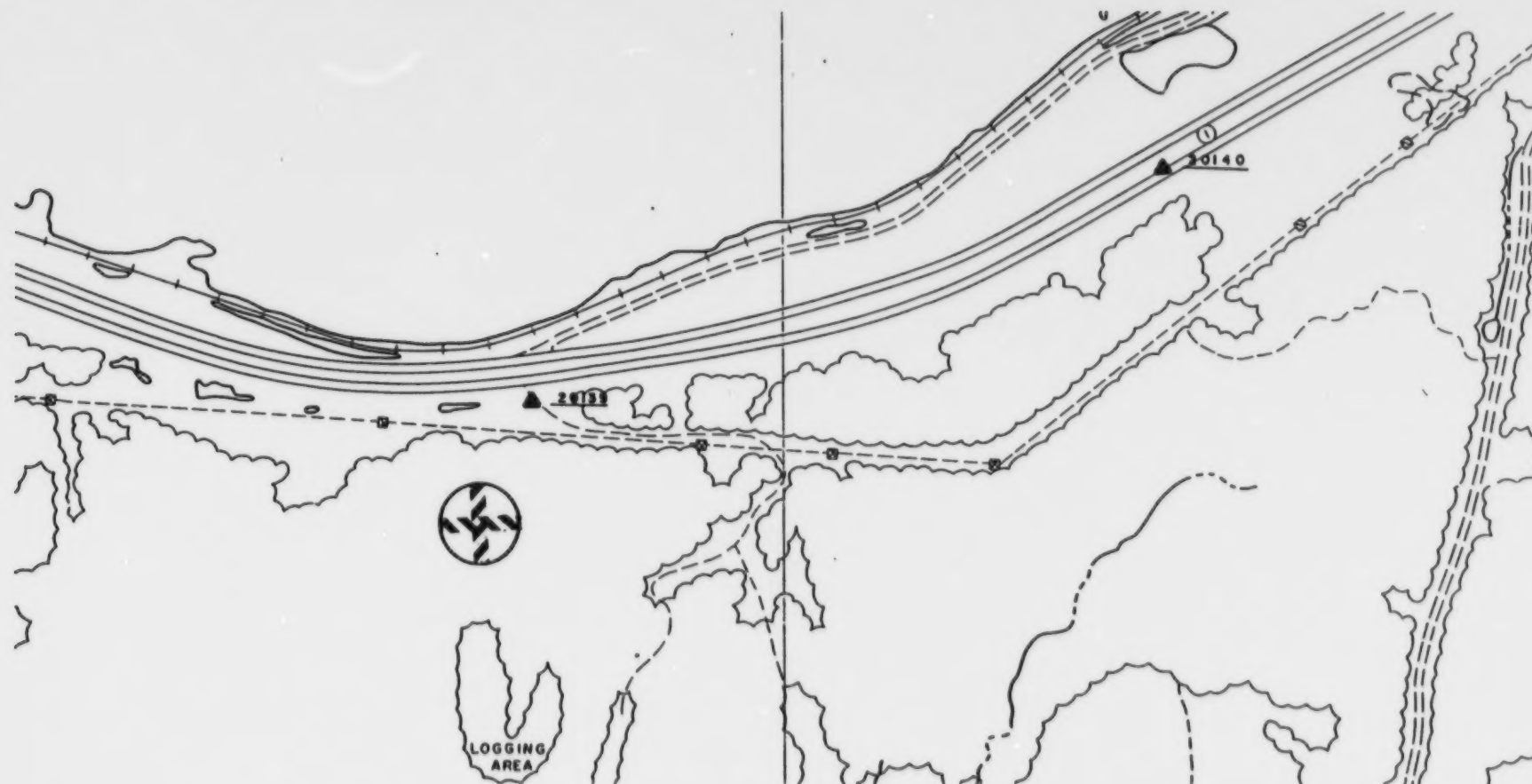
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) <u>\$ 62,000</u>
(1991) <u>\$</u>
(1992) <u>\$</u>

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME Coleson Cove

PAGE NO _____

DATE _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
////	Water	1	Screen House - insulate existing intake screen building	6,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 5

PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Coleson Cove Screen House

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☒ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The existing building requires insulation for protection during freezing weather.

5. PROJECT DESCRIPTION:

Insulate existing intake screen building.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>6,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>6,000</u>

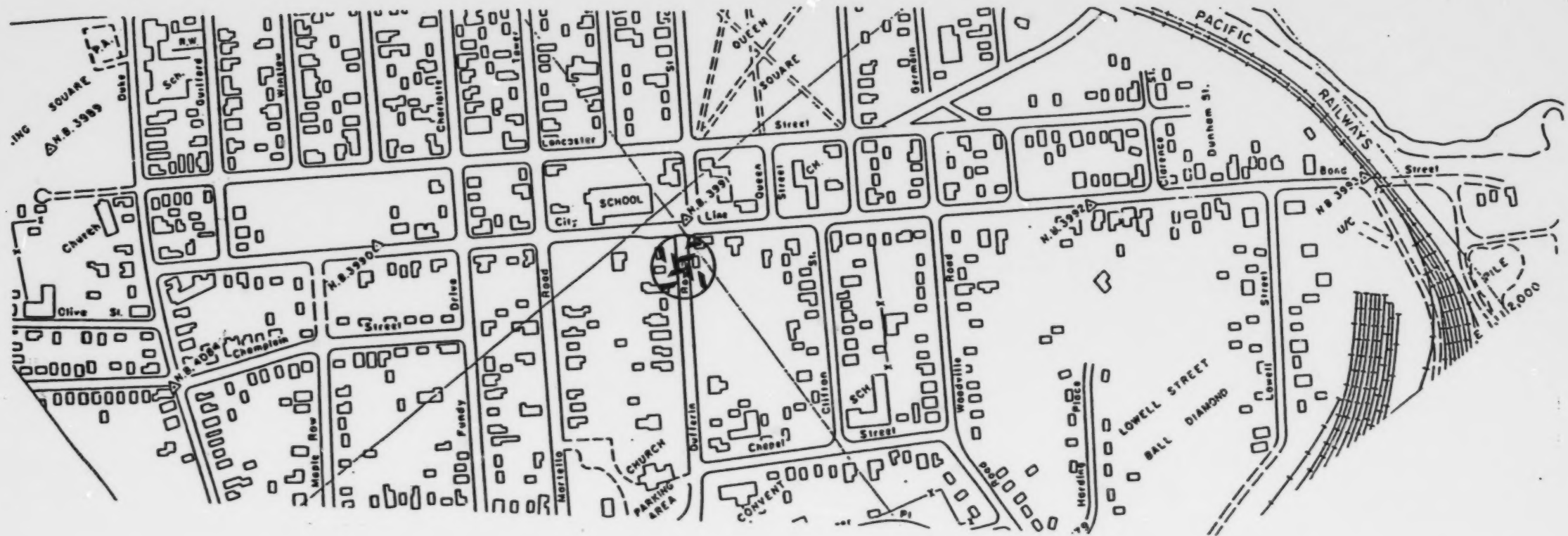
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>6,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Dufferin Row P.R.V.

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
11111	Water	1	West of City Line - design chamber & second P.R.V. (1") and construct	20,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 6
PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Dufferin Row P.R.V. - West of City Line

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☒ (C) IS AN ADDITION TO AN EXISTING FACILITY
☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Require a new chamber for easier access and maintenance and a 1" P.R.V. for improved operation.

5. PROJECT DESCRIPTION:

Design chamber and second P.R.V. (1") and construct.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ 20,000
RECOVERIES	\$
NET COST	\$ 20,000

7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$
(1990) \$ 20,000
(1991) \$
(1992) \$

8. PROJECT OPERATING COST
ANNUAL \$

STREET NAME Fluoridation

FILE NO. _____
DATE _____

PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Water	1	Latimer & Spruce Lake - study and design both systems & construct at Latimer Lake	150,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 7
PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Fluoridation - Latimer and Spruce Lake

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Council has directed staff to proceed with the necessary construction so that the Latimer Lake and Spruce Lake water system can be fluoridated. In 1990 it is proposed to design and construct the Latimer facilities and to investigate and design the Spruce Lake facilities.

5. PROJECT DESCRIPTION:

Study and design both systems and construct at Latimer Lake.

6. COSTING OBJECTS ESTIMATED COST
GROSS COSTS \$ 150,000
RECOVERIES \$ _____
NET COST \$ 150,000

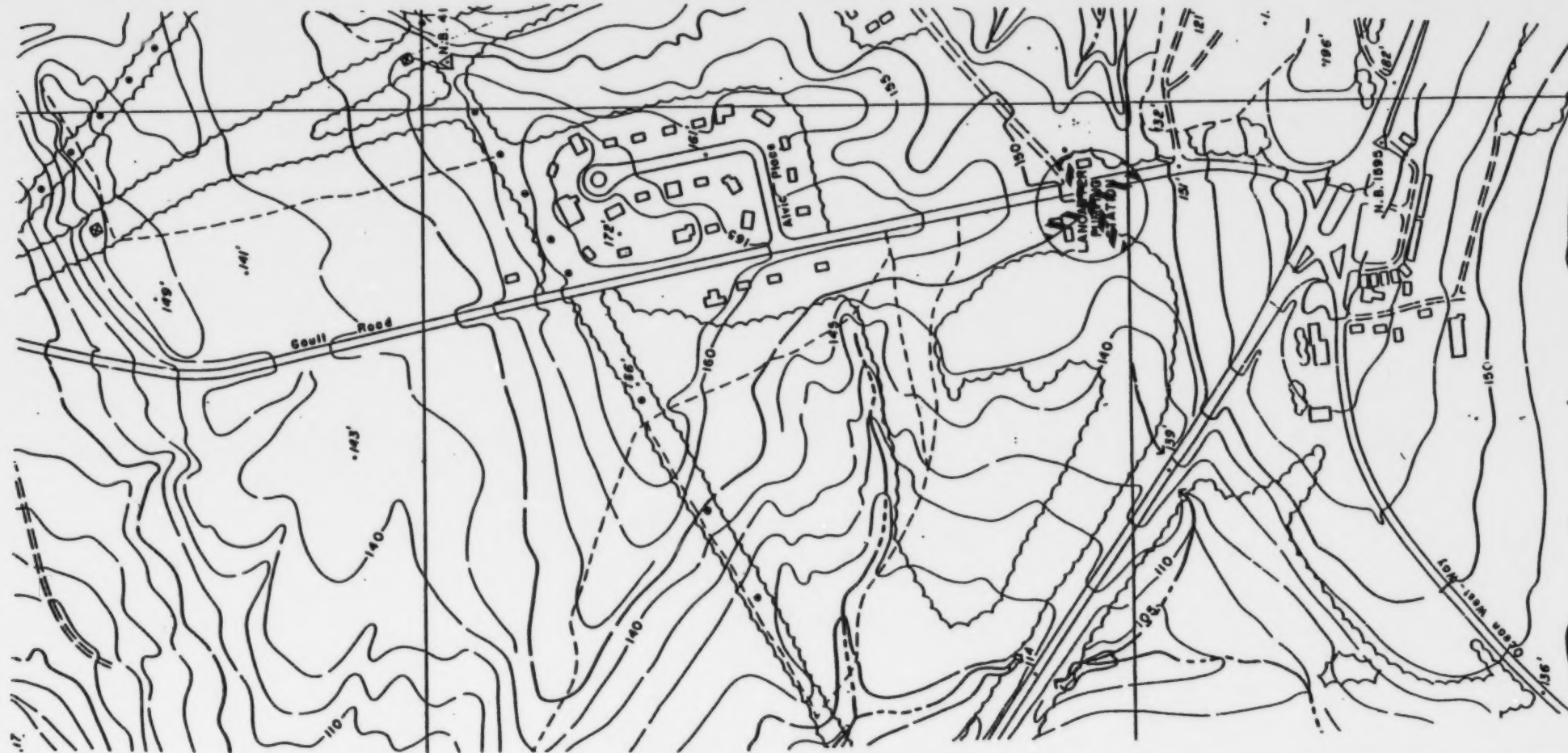
7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
 (1990) \$ 150,000
 (1991) \$ _____
 (1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME: .Gault Road Control Valve

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
////	Water	1	Gault Road Pump Station - Supply and install control valve, etc., water - west side tank	\$30,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 8
PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Gault Road Pump Station - Gate Valve

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☒ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

To prevent the West side tank from overflowing when the system is serviced with the Spruce Lake Tank.

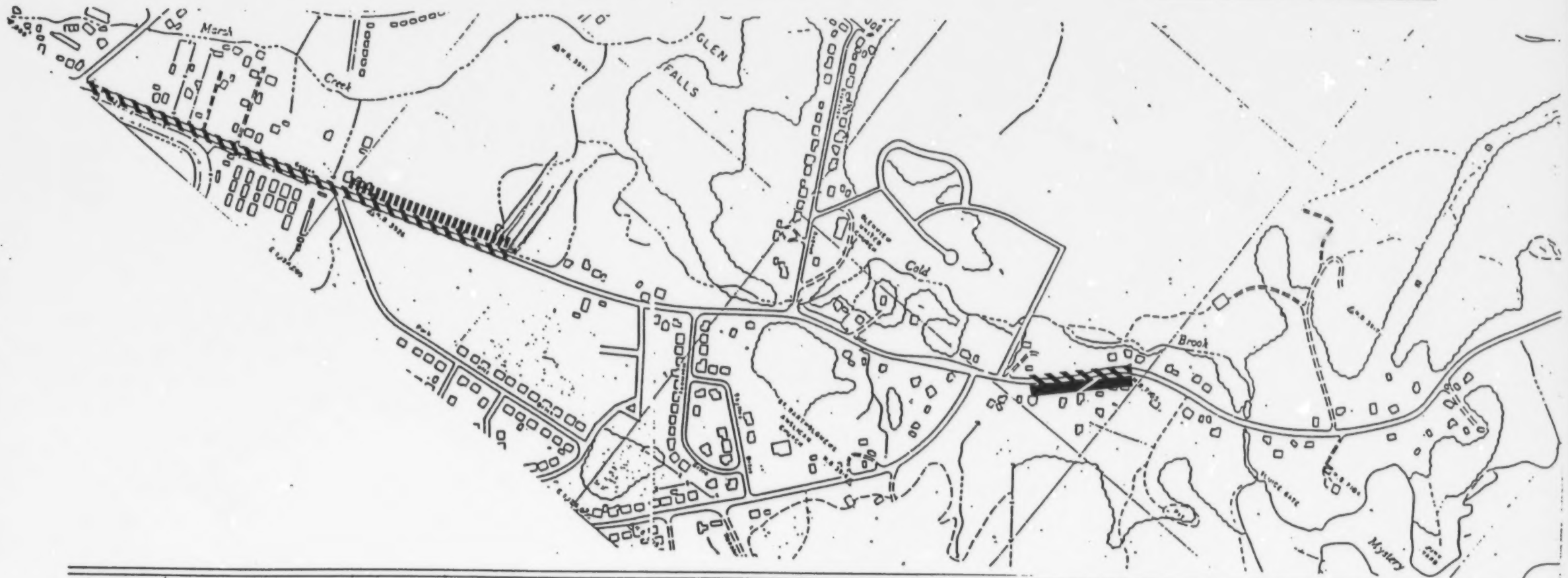
5. PROJECT DESCRIPTION:

Supply and install control valve at Gault Road Pump for West side tank.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>30,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>30,000</u>

7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
(1990) \$ <u>30,000</u>
(1991) \$ _____
(1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME Golden Grove RoadPAGE NO
DATE 

PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
////	Water	1	Simpson Drive to Parkhill Drive - renew watermain 1700' of 12"	170,000
////	Water	1	Parkhill Drive to Dresden Avenue - install 8" watermain (500')	60,000
	Maintenance	1	Dresden Avenue to Parkhill Drive - asphalt resurfacing (536' x 36') - 190 T	
—	Sanitary	2	East of Essex Drive - extend sewer 450'	38,000
////	Water	2	East of Essex Drive - extend 12" watermain 450'	40,000
	Transportation	3	At Civic #1365 - land acquisition, horizontal road re-alignment	10,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 9

PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Golden Grove Road - Parkhill Drive to Dresden Avenue

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

This section on Golden Grove Road has no watermain. This section of main is required for better circulation of the water supply system and better flows.

5. PROJECT DESCRIPTION:

Install 8" watermain (500').

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>60,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>60,000</u>

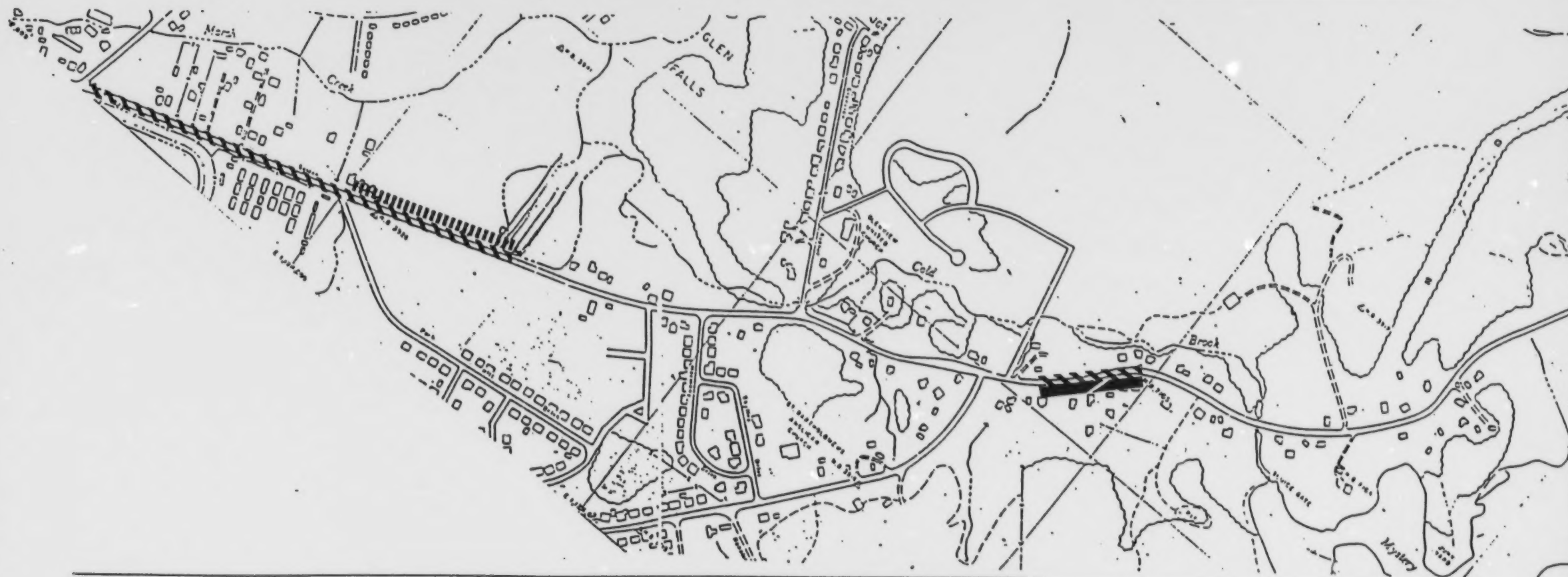
7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
(1990) \$ <u>60,000</u>
(1991) \$ _____
(1992) \$ _____

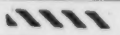
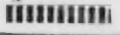
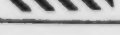
8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME Golden Grove Road

PAGE NO _____

DATE _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Water	1	Simpson Drive to Parkhill Drive - renew watermain 1700' of 12"	170,000
	Water	1	Parkhill Drive to Dresden Avenue - install 8" watermain (500')	60,000
	Maintenance	1	Dresden Avenue to Parkhill Drive - asphalt resurfacing (536' x 36') - 190 T	
	Sanitary	2	East of Essex Drive - extend sewer 450'	38,000
	Water	2	East of Essex Drive - extend 12" watermain 450'	40,000
	Transportation	3	At Civic #1365 - land acquisition, horizontal road re-alignment	10,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 10

PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Golden Grove Road - Simpson Drive to Parkhill Drive

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The existing watermain has had numerous leaks due to corrosion, thus should be renewed.

5. PROJECT DESCRIPTION:

Renew watermain 1700' of 12" (1956).

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	<u>\$ 170,000</u>
RECOVERIES	<u>\$</u>
NET COST	<u>\$ 170,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>170,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME Infrastructure & Management Strategy

DATE _____

PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1	City of Saint John - Future requirements for replacement of existing facilities	\$20,000
	Water	1	City of Saint John - Future requirements for replacement of existing facilities	20,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 11
PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Infrastructure and Management Strategies - City of Saint John

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

A study to ensure the City has a plan of water supply facilities which will be required and/or renewed in the future.

5. PROJECT DESCRIPTION:

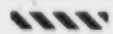
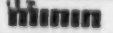
Future requirements for replacement of existing facilities.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>20,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>20,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>20,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME Lakewood Avenue (W)PAGE NO. _____
DATE _____

PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Water	1	Champlain Heights Pump Station to Mountain Road - install 12" transmission line (3500')	350,000
	Maintenance	1	Mountain Road to Candace Street - Resurfacing	
	Transportation	2A	McAllister Drive - Mountain Road - chipseal (single coat)	19,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 12
PROJECT NO.: _____

1. DEPARTMENT: WATER
2. PROJECT TITLE AND LOCATION: Lakewood Avenue West - Champlain Heights Pump Station to Mountain Road
3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY
4. PROJECT NEED AND JUSTIFICATION:
The water supply in Forest Hills above Morley Crescent is pumped by a booster station on Mountain Road which has insufficient capacity for fire flows. This new waterline will feed water from the new Champlain Heights booster station and Cottage Road Standpipe, thus giving greater flows, etc.
5. PROJECT DESCRIPTION:
Install 12" transmission line (3500') to supply fire flows and water at times when the pump is down.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ 350,000
RECOVERIES	\$
NET COST	\$ 350,000

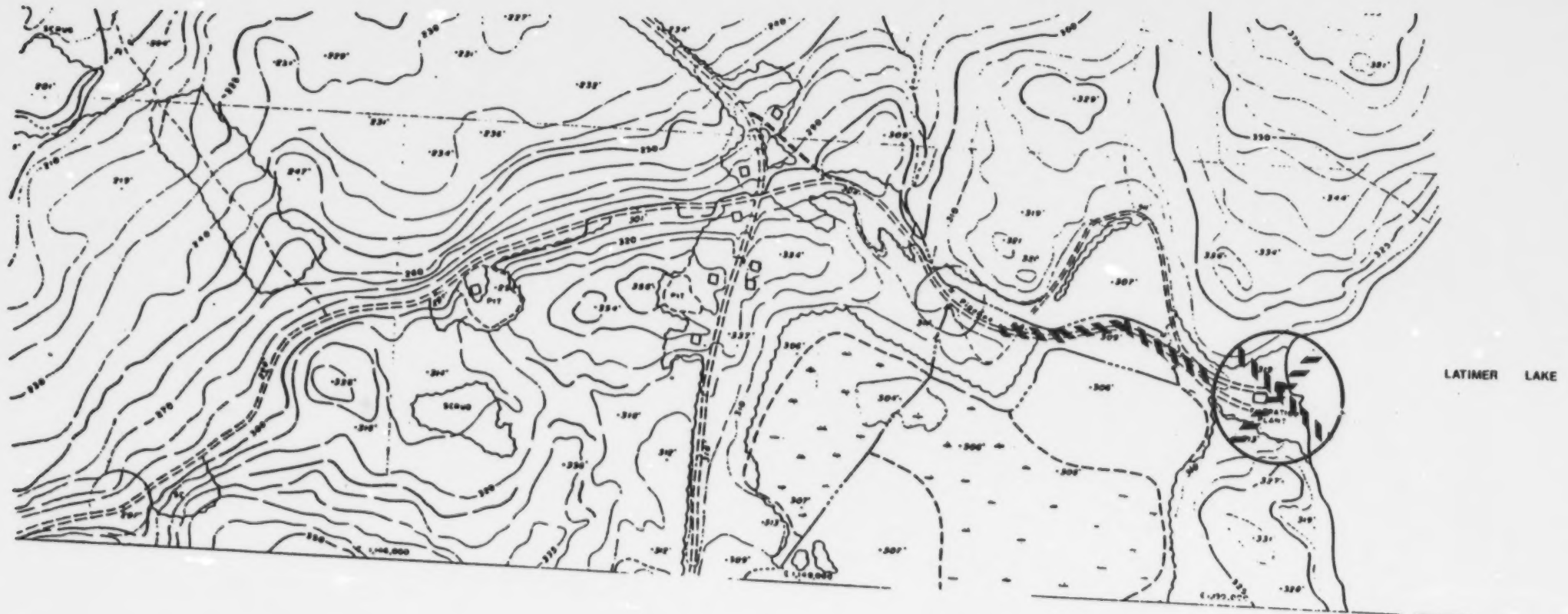
7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$
(1990) \$ 350,000
(1991) \$
(1992) \$

8. PROJECT OPERATING COST
ANNUAL \$

STREET NAME: Latimer Lake

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
////	Water	2A	Dry Lake Chamber - removal of chamber and improvements to transmission mains	\$550,000
////	Water	1	Latimer Lake - shower for chlorination to meet safety standards	20,000
////	Water	2	Latimer Lake - upgrading intake building	70,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 13
PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Latimer Lake

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☒ (C) IS AN ADDITION TO AN EXISTING FACILITY
☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Require a shower at Latimer Lake to meet safety standards in case of a chlorine leak and the personnel are contaminated.

5. PROJECT DESCRIPTION:

Install shower for emergency use.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	<u>\$ 20,000</u>
RECOVERIES	<u>\$</u>
NET COST	<u>\$ 20,000</u>

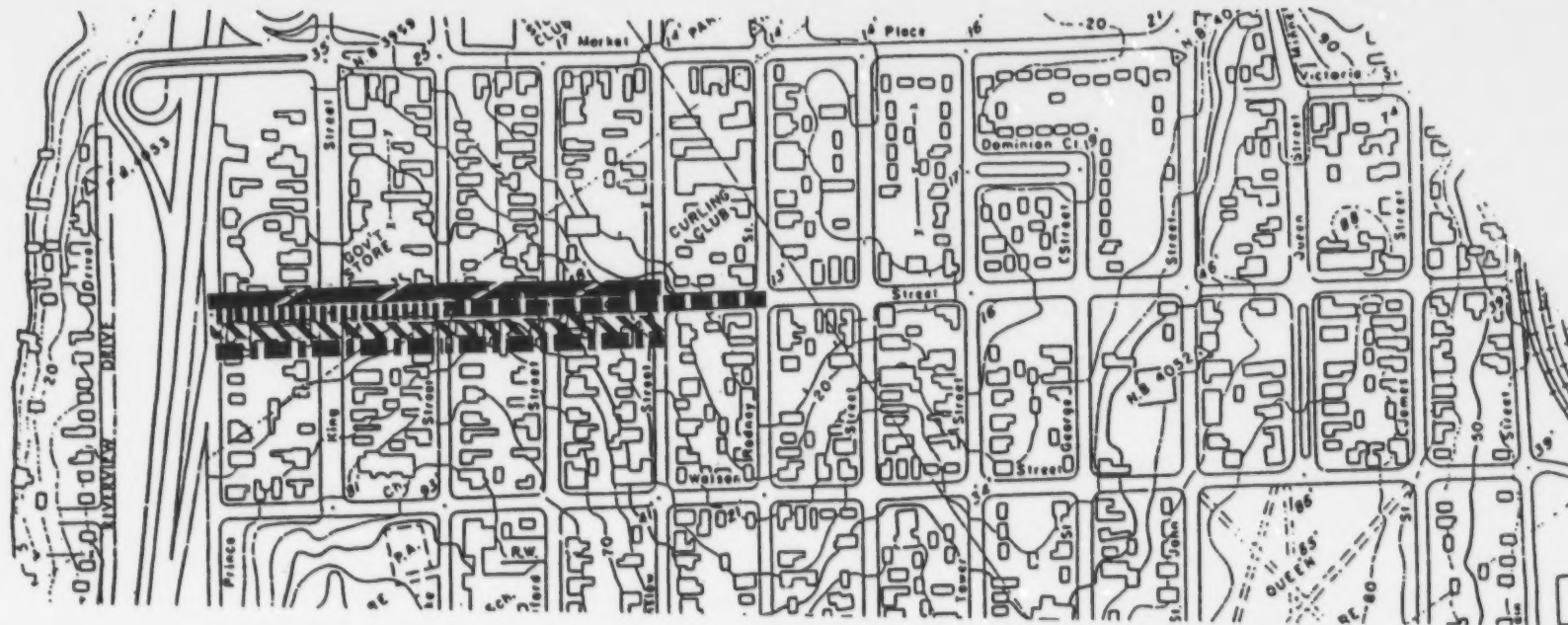
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) <u>\$ 20,000</u>
(1991) <u>\$</u>
(1992) <u>\$</u>

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Ludlow Street

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1	Duke Street to Winslow Street - Renew 700' of 12" & 15" of sanitary sewer	\$80,000
	Storm	1	Duke Street to Winslow Street - 600' of 12" & 15" storm sewer to separate combined system	55,000
	Water	1	Duke Street to Winslow Street - Renew 700' of 8" (1913)	80,000
	Transportation	2	Rodney Street to Duke Street (W) - Concrete curb, sidewalk	42,000
	Maintenance	2	Prince Street to Duke Street - Asphalt resurfacing	
	Sanitary	2A	Duke Street to Prince Street - Renew 550' of 12" & 15" sewer	65,000
	Storm	2A	Duke Street to Prince Street - Install 600' of 10" & 12" storm sewer	55,000
	Water	2A	Duke Street to Prince Street - Renew 720' of 8" (1913)	90,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 14
PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Ludlow Street (W) - Prince Street to Winslow Street

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The video shows the sewer in very poor condition and should be replaced this year. The watermain is in the same trench and will have to be renewed at the same time.

5. PROJECT DESCRIPTION:

Renew 700' of 8" (1913) from Duke to Winslow in 1990. Renew 720' of 8" (1913) from Duke to Prince Street in 1991.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>170,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>170,000</u>

7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
(1990) \$ <u>80,000</u>
(1991) \$ <u>90,000</u>
(1992) \$ _____

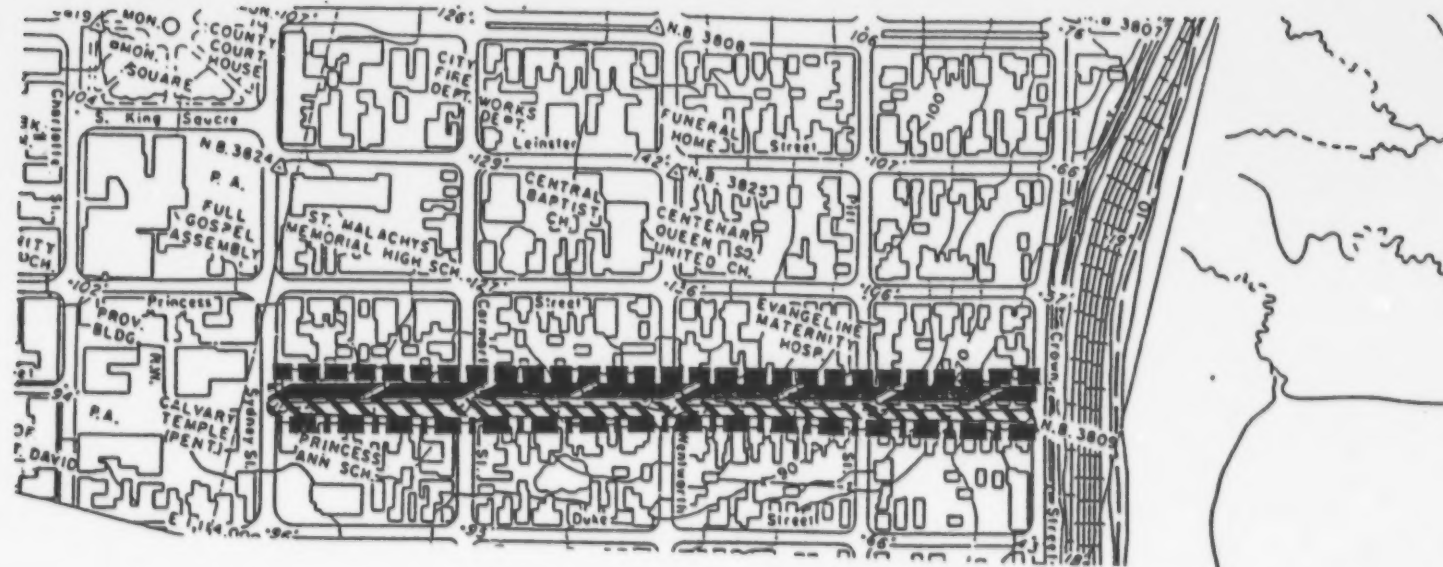
8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME:

Orange Street

PAGE NO.:

DATE:



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1	Sydney Street to Crown Street - Renew 950' of 12" & 15" sewer	\$133,000
	Water	1	Sydney Street to Crown Street - Renew 900' of 8" (1913 & 1931)	130,000
	Storm	1	Sydney Street to Crown Street - Install 1400' of storm sewer	150,000
	Transportation	2	Carmarthen Street to Wentworth Street - Concrete curb, concrete sidewalk, landscape	48,000
	Transportation	2	Sydney Street to Carmarthen Street - Concrete curb, concrete sidewalk, pave	44,000
	Transportation	3	Wentworth Street to Pitt Street - Concrete curb, concrete sidewalk, pave	48,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 15

PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Orange Street - Sydney Street to Crown Street

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection shows the sewer in various locations in poor condition. The watermain being in the same trench will have to be renewed at the same time.

5. PROJECT DESCRIPTION:

Renew 900' of 8" (1913 & 1931).

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>130,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>130,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>130,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Park Street Extension

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
1	Storm	1C	Near House #31 - retention area hydro brake & storm sewer (1000')	\$120,000
2	Sanitary	1	#90 to #150 Park Street Extension - renew 775' of 18" concrete	89,000
3	Water	1	#90 to #150 Park Street Extension - renew 800' of 6" C.I. (1951)	74,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 16
PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Park Street Extension - #90 to #150

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection indicated that the sewer was in poor condition and required renewal. Since the watermain is in the same trench, it should be renewed at the same time as the sewer.

5. PROJECT DESCRIPTION:

Renew 800' of 6" C.I. (1951).

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>74,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>74,000</u>

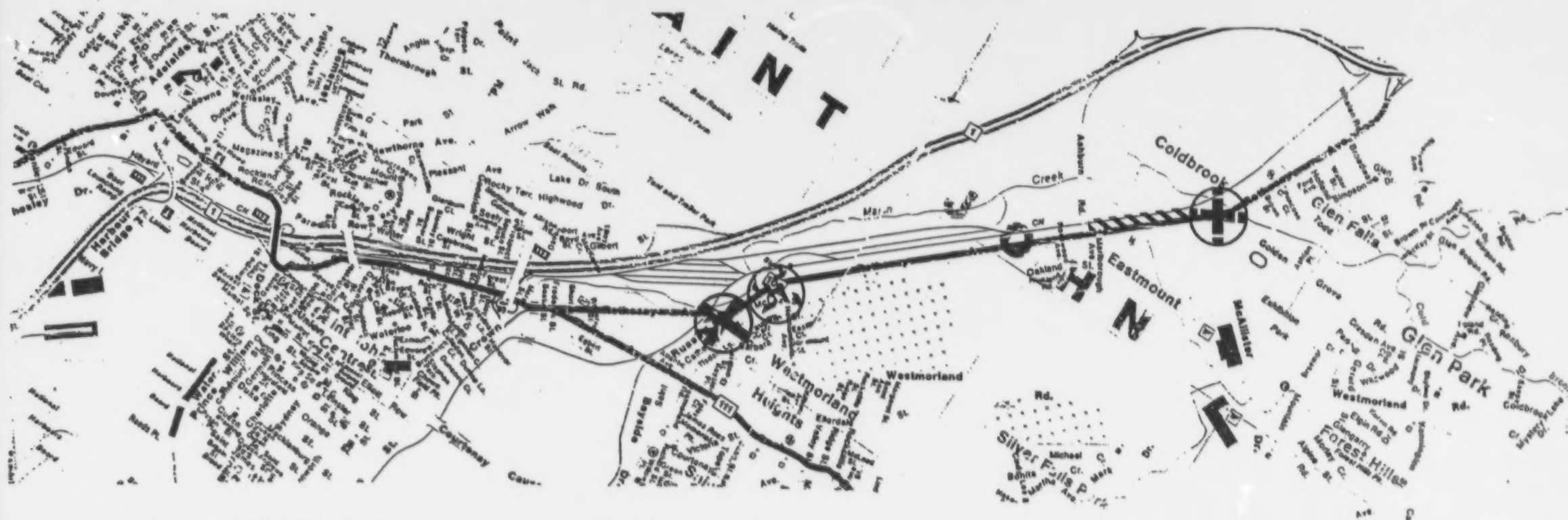
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>74,000</u>
(1991) \$ _____
(1992) \$ _____

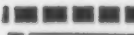
8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Rothesay Avenue

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1C	At One Mile House - Update variable speed pumps	75,000
	Water	2A	Northumberland to McDonald's - Renew 700' of 8" (1957)	70,000
	Transportation	2	McAllister Drive Intersection - Widening (Recovery \$227,000)	
	Water	3	Ashburn to McAllister - Renew 2500' of 12" (1931) to new 12" P.V.C.	260,000
	Water	1	Various locations - New butterfly valves on 36" lock joint pipe	50,000
 458	Water	2	McLean St. to Northumberland - Renew 1000' of 8" (1957)	110,000
	Transportation	1	Russell St. - Speedy Auto Glass - Retaining wall, concrete curb & gutter, sidewalk, pole relocation (south side only)	23,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 17
PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Rothesay Avenue - various locations

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☒ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The 36" transmission main requires additional valves to be able to operate the water supply system more efficiently.

5. PROJECT DESCRIPTION:

New butterfly valves on 36" lock joint pipe.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>50,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>50,000</u>

7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
(1990) \$ <u>50,000</u>
(1991) \$ _____
(1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME: Service Box Renewal

PAGE NO.: _____

DATE: _____

PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Water	1	Various locations - Renewal of 100+ service boxes	120,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 18
PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Service Box Renewal - Various Locations

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
☒ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

During construction of concrete curbs and sidewalks all old water services, service boxes, etc., are renewed and all curb stops are put at the property line with service boxes.

5. PROJECT DESCRIPTION:

Renewal of 100+ service boxes.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>120,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>120,000</u>

7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
(1990) \$ <u>120,000</u>
(1991) \$ _____
(1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME: SPRUCE LAKE

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Water	1	Spruce Lake Standpipe - Remedial Work	\$250,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 19

PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Spruce Lake Standpipe - Spruce Lake

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☒ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The existing standpipe has had leaks, and cracks have appeared in the concrete walls. A study recommended that the tank be wound with wires and concrete coated, plus the caulking of any cracks from the inside to prevent rusting of the reinforcing wires. This work has to be done before there is a major failure.

5. PROJECT DESCRIPTION:

Remedial work.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>250,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>250,000</u>

7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
(1990) \$ <u>250,000</u>
(1991) \$ _____
(1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME: Watershed

PAGE NO.: _____

DATE: _____

PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
////	Water	1	Loch Lomond Lakes - Land purchase and construction of Forest Management Road	50,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 20
PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Watershed - Loch Lomond Lakes

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

To protect the water supply from pollution.

5. PROJECT DESCRIPTION:

Land purchase and construction of Forest Management Road.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ 50,000
RECOVERIES	\$
NET COST	\$ 50,000

7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$
(1990) \$ 50,000
(1991) \$
(1992) \$

8. PROJECT OPERATING COST
ANNUAL \$

STREET NAME Instrumentation

PAGE NO. _____
DATE _____

PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1C	Various locations - Supply & install additional monitoring equipment	\$20,000
	Water	1C	Various locations - Supply & install additional monitoring equipment	20,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 21

PROJECT NO.: _____

1. DEPARTMENT: WATER

2. PROJECT TITLE AND LOCATION: Instrumentation - Various Locations

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☒ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Completion of a project to update, add to and improve the flow and pressure recording and monitoring of the water distribution system.

5. PROJECT DESCRIPTION:

Monitoring equipment (carry over).

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>20,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>20,000</u>

7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
(1990) \$ <u>20,000</u>
(1991) \$ _____
(1992) \$ _____

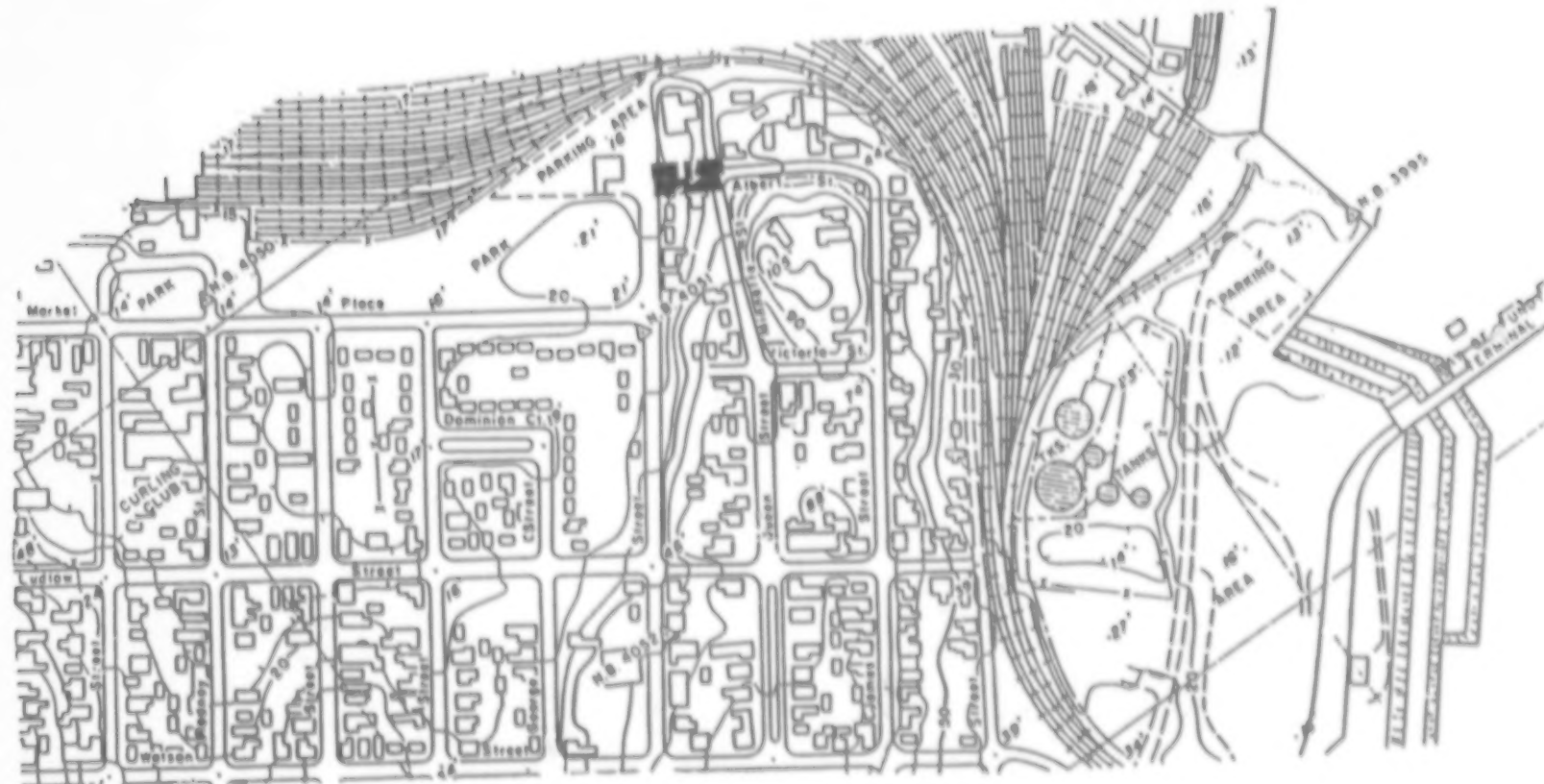
8. PROJECT OPERATING COST
ANNUAL \$ _____



1990 SANITARY SEWER CAPITAL

STREET NAME Albert Street (W)

DATE _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■■■■■	Storm	1	Minnette Street to St. John Street - Install 150' of 12" storm sewer	\$14,000
▬▬▬	Sanitary	1	Minnette Street to St. John Street - Renew 150' of 9" T.C. with 8" P.V.C.	14,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 22

PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Albert Street (W)

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video shows the sewer in poor condition. A new storm sewer is proposed to service future development (Bleu Non-Profit Housing Inc.) through the same area so the sewer may be replaced at the same time.

5. PROJECT DESCRIPTION:

Renew 150' of 9" T.C. with 8" P.V.C.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>14,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>14,000</u>

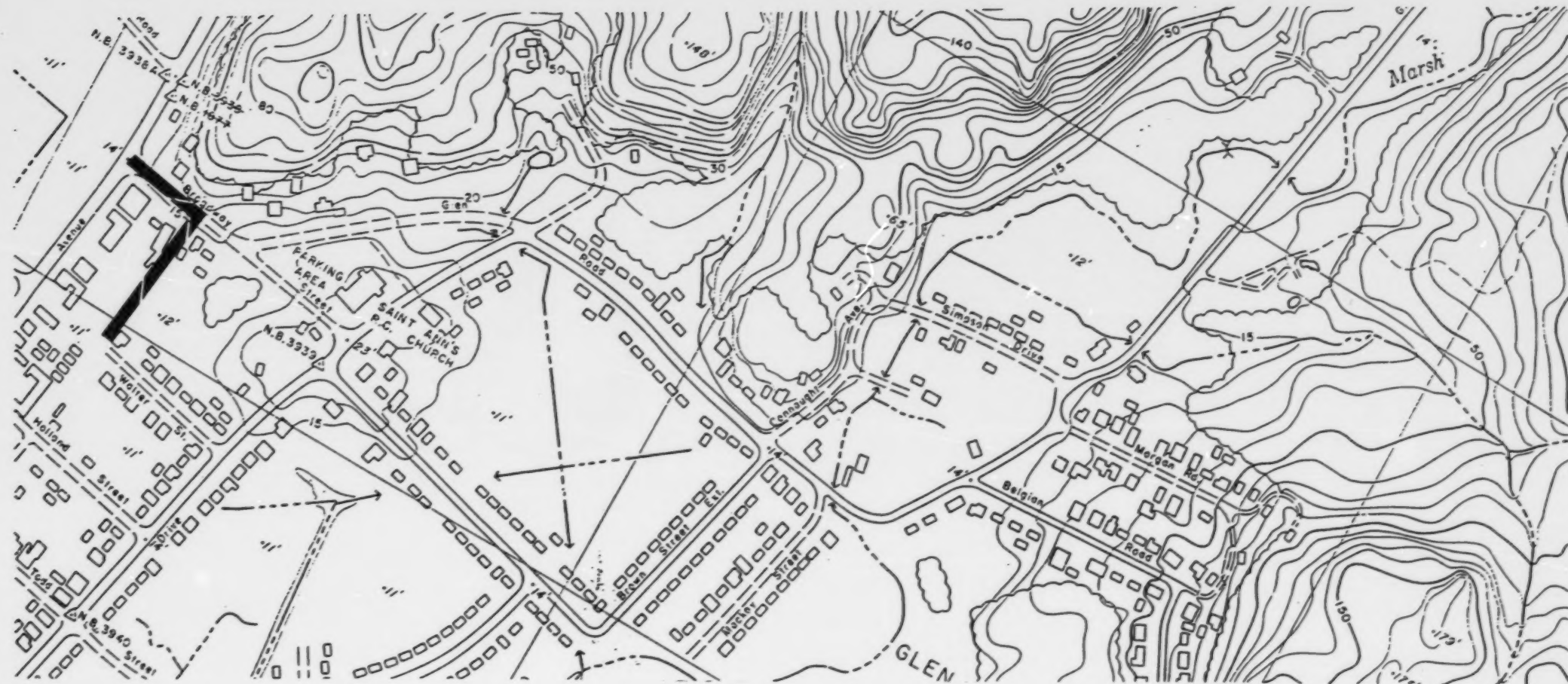
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>14,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME Broadway Street

PAGE NO _____

DATE _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1	Rothsay Avenue to Walter Street - new sewer system and lift station to service this area	\$113,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 23

PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Broadway Street - Rothesay Avenue to Walter Street

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

There are no sanitary sewers in this developing section of Saint John. This area is serviced by private septic tanks, etc.

5. PROJECT DESCRIPTION:

New sewer system and lift station to service this area.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>113,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>113,000</u>

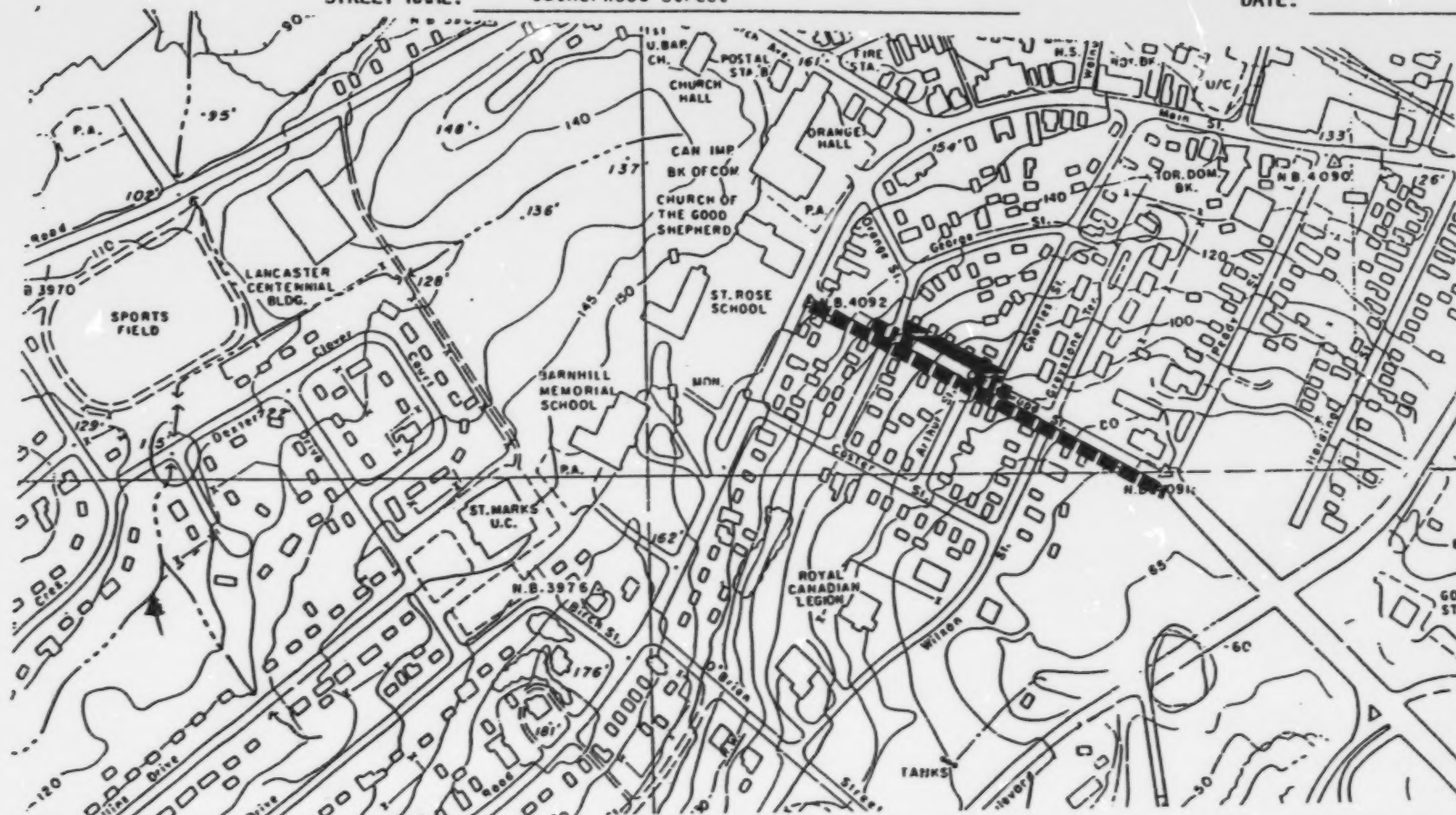
7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
(1990) \$ <u>113,000</u>
(1991) \$ _____
(1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

PAGE NO.: _____

DATE: _____

STREET NAME: Catherwood Street



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
1	Sanitary	1	#58 to #35 - renew 252' of 10" sewer	30,000
2	Transportation	2 A	Fairville Blvd. to Manawagonish - concrete curb, concrete sidewalk, landscaping	116,000
3	Storm	1	At Charles and George Street Intersections	22,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 24
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Catherwood Street - #58 to #35

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection indicated that sewer was in poor condition and required renewal.

5. PROJECT DESCRIPTION:

Renew 252' of 10" sewer.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>30,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>30,000</u>

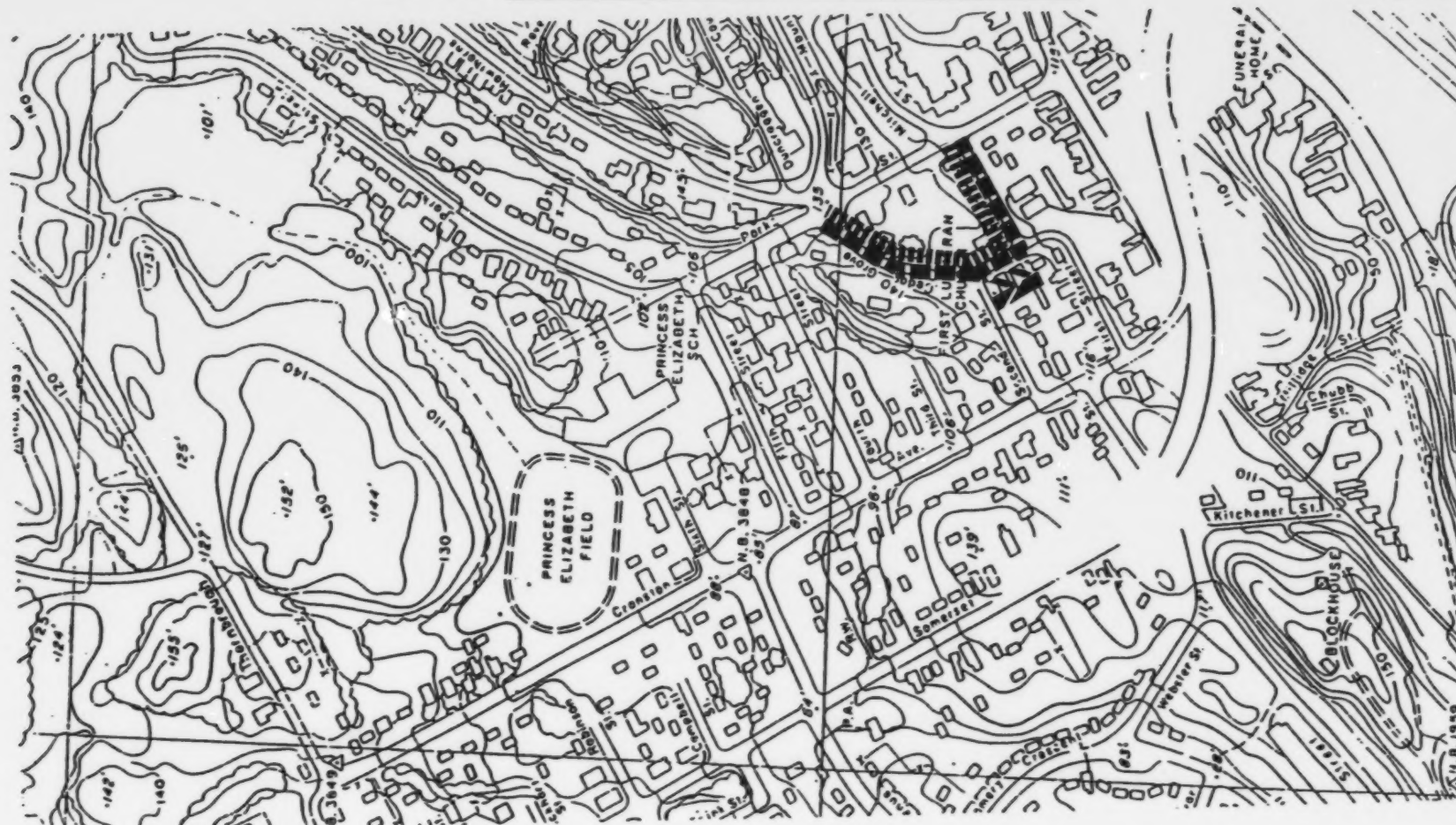
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>30,000</u>
(1991) \$ _____
(1992) \$ _____

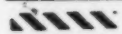
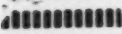
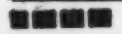
8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Cedar Grove Crescent

PAGE NO.:

DATE:



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Water	1	Second St. to Clifton St - renew 380' of 8" watermain	\$56,000
	Sanitary	1	Second St. to Clifton St - renew approx. 420' of 9" sewer	66,000
	Maintenance	2	Park Street to Park Street - asphalt resurfacing following W&S curb & sidewalk reconstruction	
	Transportation	2	Park Street to Park Street - concrete curb, concrete sidewalk, landscaping	85,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 25

PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Cedar Grove Crescent - Second Street to Clifton Street

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection indicated the sewer was in poor condition and required renewal.

5. PROJECT DESCRIPTION:

Renew approximately 420' of 9" sewer.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>66,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>66,000</u>

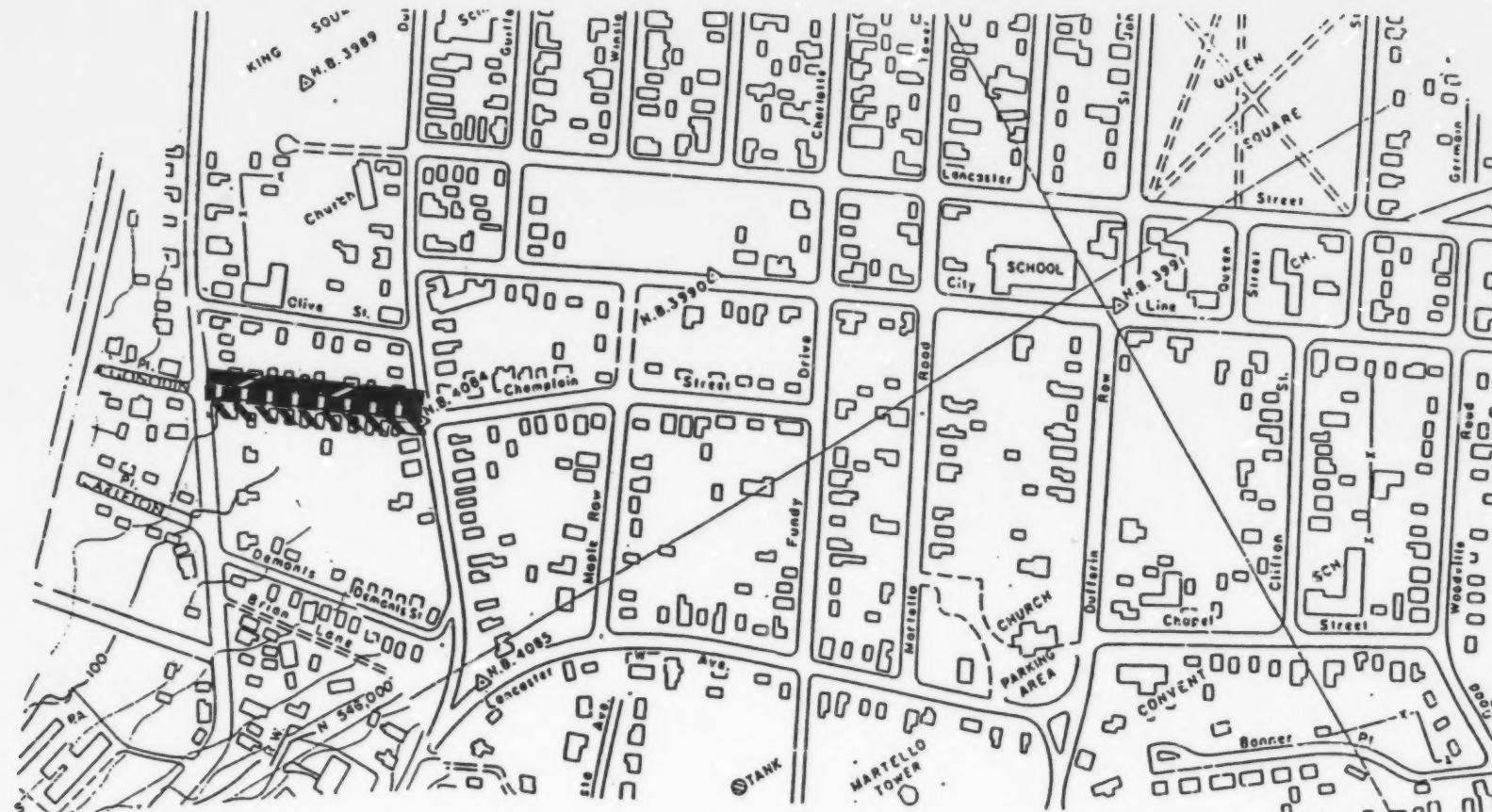
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>66,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

PAGE NO.: _____

STREET NAME: Champlain Street (W)

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
////	Water	1	Duke Street to Prince Street - renew 600' of 6" C.I. (1915)	\$72,000
=====	Sanitary	1	Duke Street to Prince Street - renew 600' of 20" T.C.	68,000
■■■■	Transportation	2A	Duke Street to Prince Street - concrete curb & sidewalk, pave	57,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 26

PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Champlain Street (W) - Duke Street to Prince Street

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection indicated the sewer was in poor condition and required renewal.

5. PROJECT DESCRIPTION:

Renew 600' of 20" T.C.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>68,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>68,000</u>

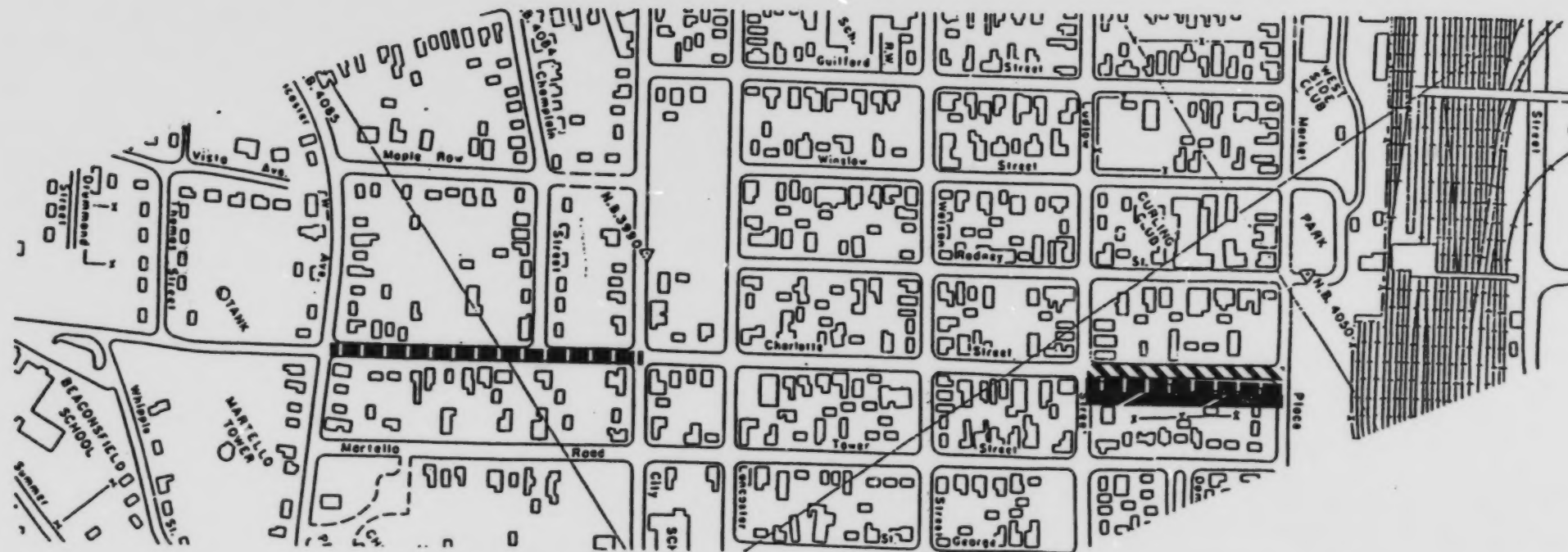
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>68,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Charlotte Street (W)

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■■■■■	Transportation	1	Lancaster Ave. to City Line - concrete curb, concrete sidewalk, landscaping, pave	\$76,000
////	Water	1	Market Place to Ludlow - renew 600' of 6" (1931) with 12"	62,000
———	Sanitary	1	Market Place to Ludlow - renew approx. 600' of 12" sewer	30,000
■■■■■	Transportation	2	Ludlow to Market Place - concrete curb & sidewalk, landscaping, paving	50,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 27
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Charlotte Street (W) - Market Place to Ludlow

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The water line is being renewed, therefore, the sewer being in the same trench directly under the watermain will have to be renewed.

5. PROJECT DESCRIPTION:

Renew approximately 600' of 12" sewer.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>30,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>30,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>30,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME Comprehensive Plan Review

DATE _____

PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1	City of Saint John - Future requirements for treatment, renewal & expansion, etc. Recovery (\$100,000)	\$100,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 28

PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Comprehensive Plan Review - City of Saint John

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

To investigate future requirements for treatment, renewal and expansion.

5. PROJECT DESCRIPTION:

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ 100,000
RECOVERIES	\$
NET COST	\$ 100,000

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$
(1990) \$ 100,000
(1991) \$
(1992) \$

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$

STREET NAME:

Dorchester Street

PAGE NO.:

DATE:



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1	Sewell Street to Hazen Street - renew 220' of 12" sewer	37,600
	Maintenance	2	Hazen Street to Carleton Street - Resurfacing (after W & S Project)	



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 29
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Dorchester Street - Sewell to Hazen

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video has shown this line in poor and collapsing condition.

5. PROJECT DESCRIPTION:

Renew 220' of 12" sewer.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>37,600</u>
RECOVERIES	\$ _____
NET COST	\$ <u>37,600</u>

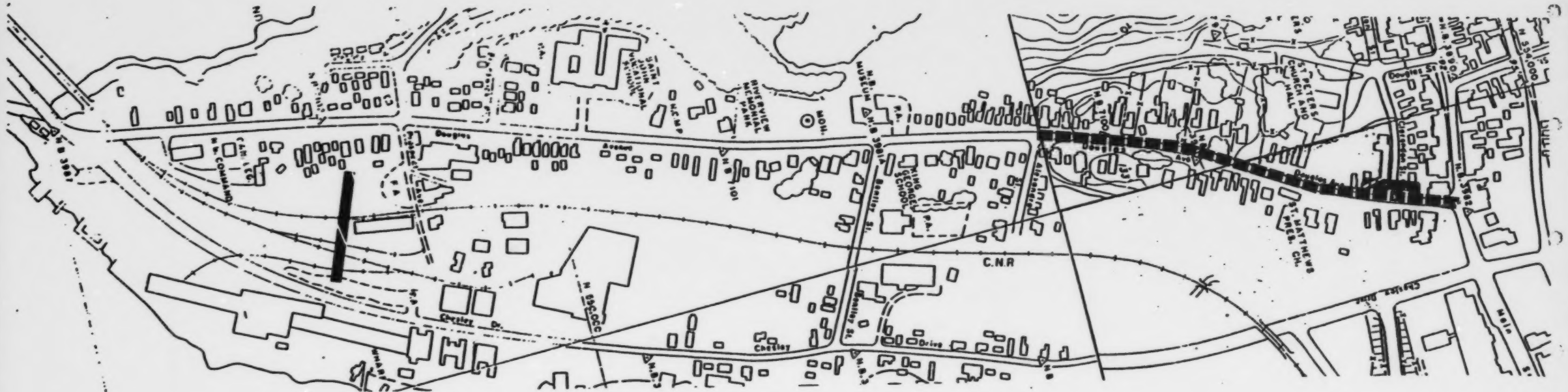
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>37,600</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Douglas Avenue

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
1	Transportation	1A	Main St. to Alexandra St. - concrete curb and sidewalk, pave, landscape	460,000
2	Sanitary	1C	Douglas Ave. to chesley Dr. - renew plugged sewer under railway-Easement Acquis.&Constr.	94,000
3	Transportation	1C	Alexandra St. to Brunswick Place - reinstatement(concrete sidewalk, paving, landscape)	86,000
4	Sanitary	1	At Clarendon Street - renew 300' of 15" T.C.	44,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 30
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Douglas Avenue - at Clarendon Street

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection indicated that the sewer was in poor condition and required renewal.

5. PROJECT DESCRIPTION:

Renew 300' of 15" T.C.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>44,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>44,000</u>

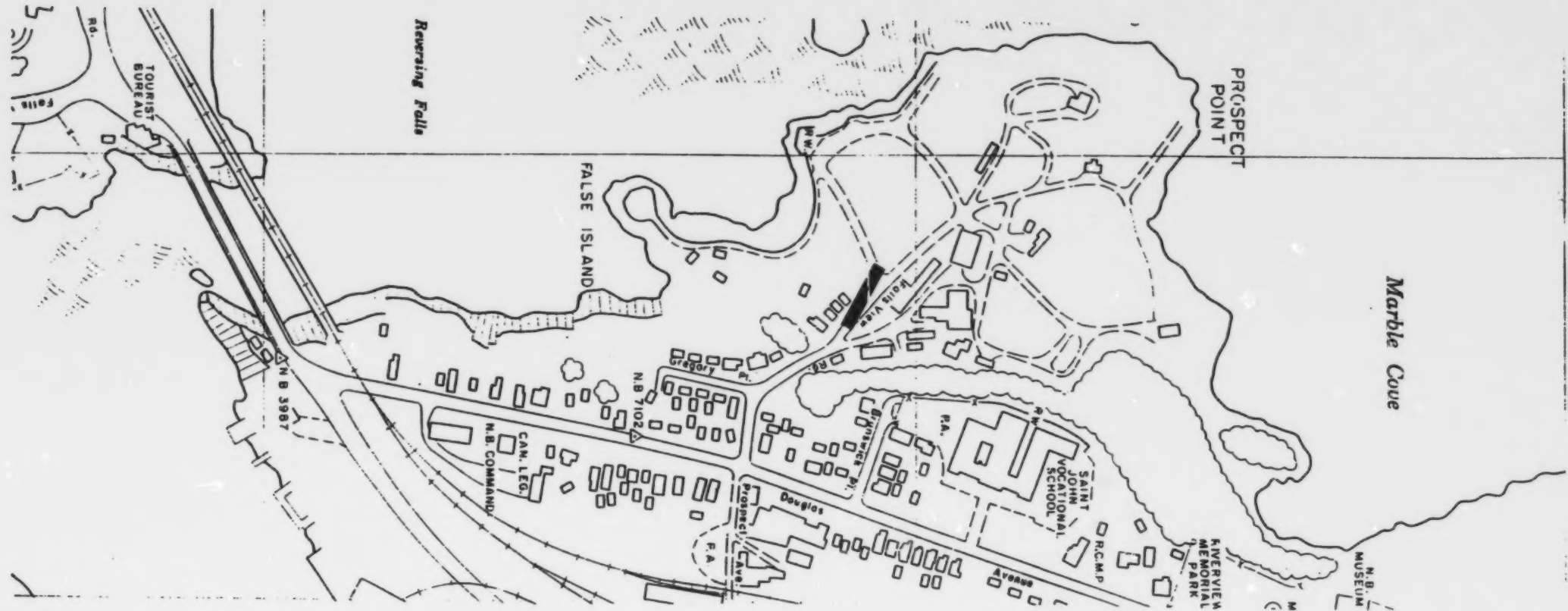
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>44,000</u>
(1991) \$ _____
(1992) \$ _____

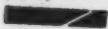
8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Fallsview Avenue

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1	Subdivision Cost Sharing - 250' of 8" plus 3 manholes	\$15,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 31

PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Fallsview Avenue - Subdivision Cost Sharing

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Pursuant to Committee of the Whole resolution of June 26, 1989, "The City shall cost share the installation of a sanitary sewer to service a subdivision proposal at 55 - 66 Fallsview Avenue".

5. PROJECT DESCRIPTION:

250' of 8" plus three manholes.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>15,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>15,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>15,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

DATE: _____

STREET NAME: Garden Street



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
1	Sanitary	1	Across from Irving Car Wash - Renew 200' of 15" sewer (City Road to Charles Street)	\$30,000
2	Transportation	1C	At Coburg Street - Reinstatement (landscaping, asphalt padding)	6,000
3	Transportation	3	Coburg Street to Hazen Street - Concrete curb & sidewalk (west side), landscaping	26,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 32
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Garden Street - Across from Irving Car Wash

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection indicates that the sewer is in poor condition and required renewal.

5. PROJECT DESCRIPTION:

Renew 200' of 15" sewer (City Road to Charles Street).

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>30,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>30,000</u>

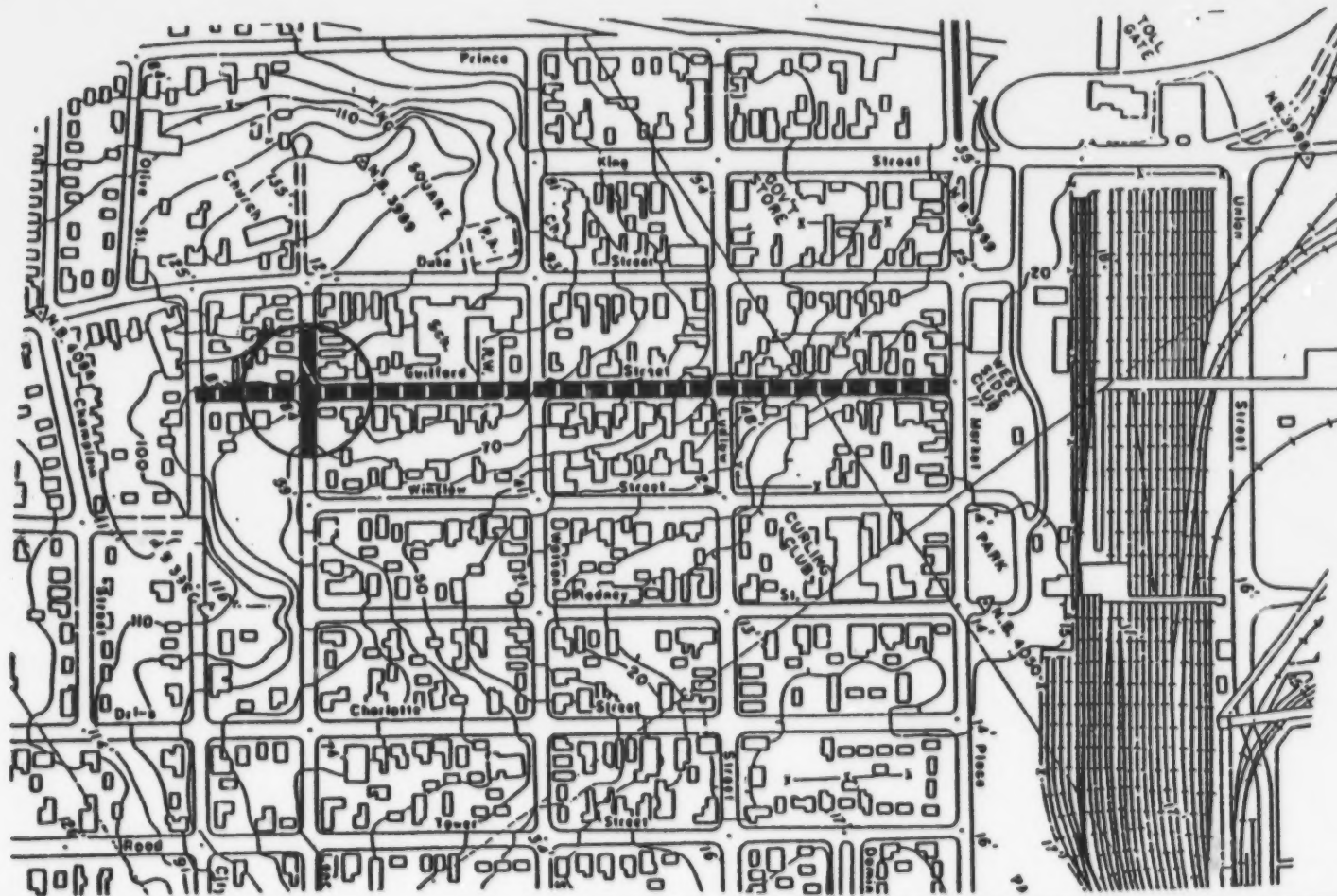
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>30,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

PAGE NO.: _____

STREET NAME: Guilford Street

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
1	Sanitary	1	At Lancaster St. - renew 56' of 8" sewer	13,000
2	Transportation	3	Market Place to City Line - concrete curb, concrete sidewalk	159,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 33

PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Guilford Street at Lancaster Street

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection indicated that this sewer was in poor condition and required renewal.

5. PROJECT DESCRIPTION:

Renew 56' of 8" sewer.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>13,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>13,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>13,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME Infrastructure & Management Strategy

DATE _____

PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1	City of Saint John - Future requirements for replacement of existing facilities	\$20,000
	Water	1	City of Saint John - Future requirements for replacement of existing facilities	20,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 34
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Infrastructure and Management Strategies - City of Saint John

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

This is a plan for future development of treatment, renewal and expansion, etc., of the sanitary sewer system.

5. PROJECT DESCRIPTION:

Future requirements for replacement of existing facilities.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>20,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>20,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>20,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Ludlow Street



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1	Duke Street to Winslow Street - Renew 700' of 12" & 15" of sanitary sewer	\$80,000
	Storm	1	Duke Street to Winslow Street - 600' of 12" & 15" storm sewer to separate combined system	55,000
	Water	1	Duke Street to Winslow Street - Renew 700' of 8" (1913)	90,000
	Transportation	2	Rodney Street to Duke Street (W) - Concrete curb, sidewalk	42,000
	Maintenance	2	Prince Street to Duke Street - Asphalt resurfacing	
	Sanitary	2A	Duke Street to Prince Street - Renew 550' of 12" & 15" sewer	65,000
	Storm	2A	Duke Street to Prince Street - Install 600' of 10" & 12" storm sewer	55,000
	Water	2A	Duke Street to Prince Street - Renew 720' of 8" (1913)	90,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 35

PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Ludlow Street - Duke to Winslow

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection indicated that this sewer was in poor condition and required renewal.

5. PROJECT DESCRIPTION:

Renew 700' of 12" and 15" sanitary sewer from Duke Street to Winslow Street in 1990. Renew 550' of 12" and 15" sanitary sewer from Duke Street to Prince Street in 1991.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ 145,000
RECOVERIES	\$
NET COST	\$ 145,000

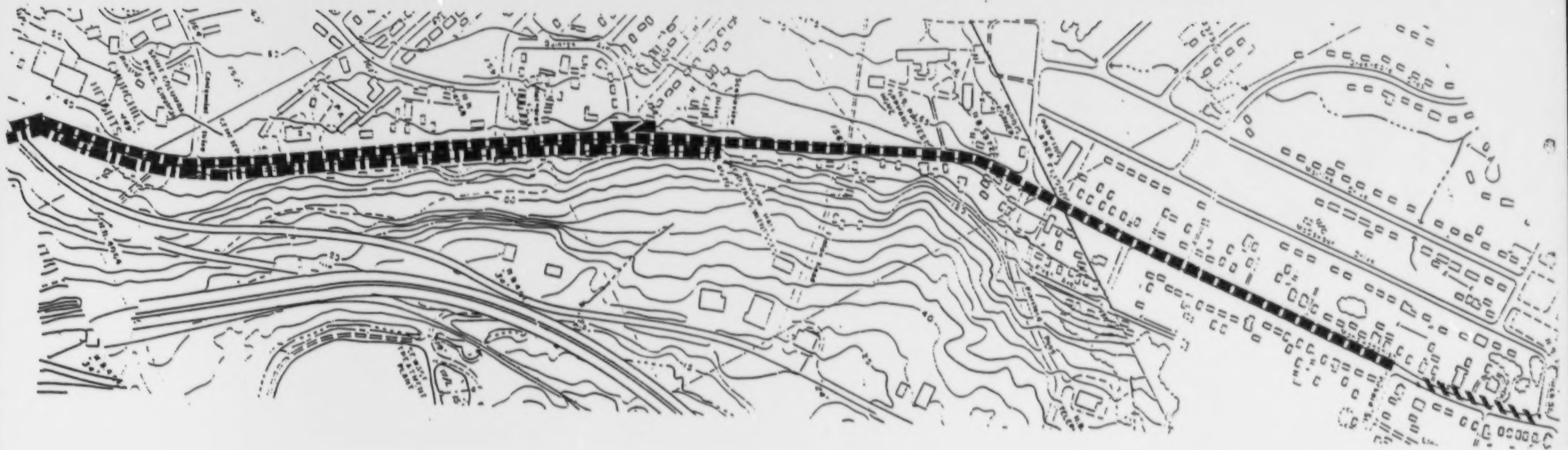
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$
(1990) \$ 80,000
(1991) \$ 65,000
(1992) \$

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$

STREET NAME: Manawagonish Road

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■ ■ ■ ■ ■	Storm	1	Scotiaview to Fairville Boulevard - Install 3300' of 10", 18", & 24" pipe, etc.	\$300,000
▬ ▬ ▬ ▬ ▬	Sanitary	1	At Quinton Avenue - Renew 200' of 12" sewer	23,000
▨ ▨ ▨ ▨ ▨	Water	2	Birch Street Westward - Install 1300' of 12"	150,000
▩ ▩ ▩ ▩ ▩	Water	2	Fairville Boulevard Westward - Install 2000' of 12" pipe	200,000
■ ■ ■ ■ ■	Transportation	2	Pickard Street to Kierstead Street - Concrete curb & s/w (north side)(\$225,000)	30,000
■ ■ ■ ■ ■	Transportation	2	Manchester Avenue to Fairville Boulevard - Concrete curb, paving, landscaping	270,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 36
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Manawagonish Road at Quinton Avenue

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection indicated that this sewer was in poor condition and required renewal.

5. PROJECT DESCRIPTION:

Renew 200' of 12" sewer.

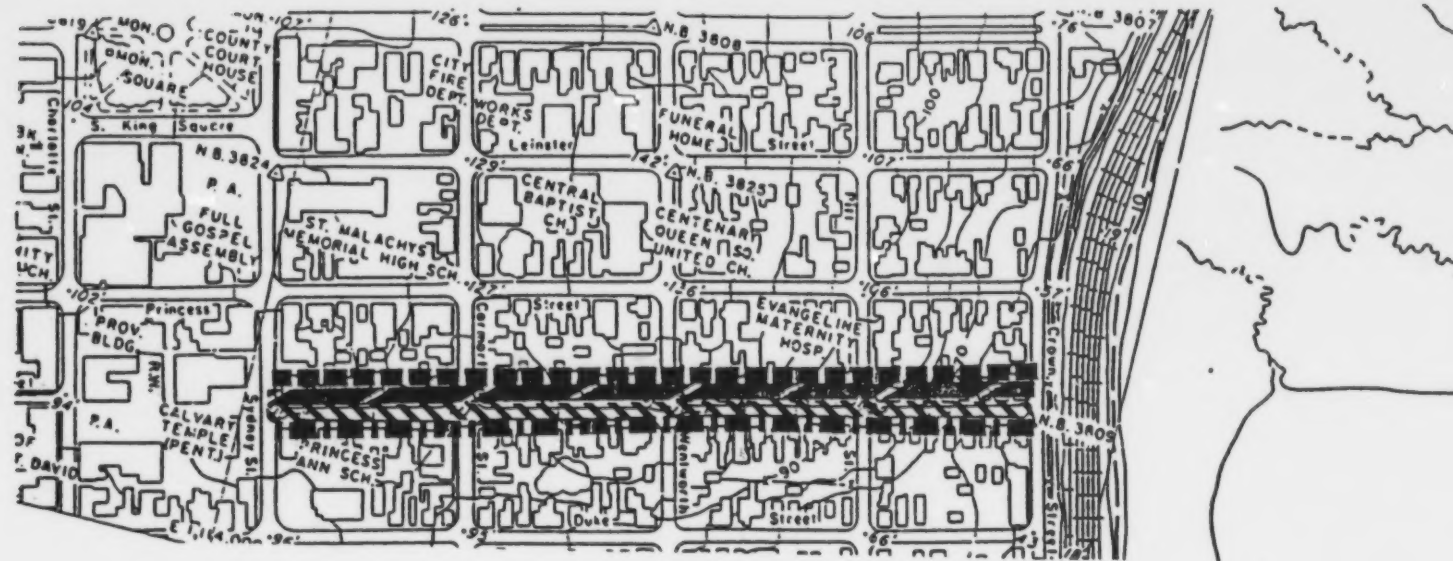
6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>23,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>23,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>23,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

DATE: _____

STREET NAME: Orange Street

[illegible]



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 37

PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Orange Street - Sydney Street to Crown Street

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection shows the sewer to be in poor condition and should be replaced.

5. PROJECT DESCRIPTION:

Renew 950' of 12" & 15" sanitary sewer - various locations.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	<u>\$ 133,000</u>
RECOVERIES	<u>\$</u>
NET COST	<u>\$ 133,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>133,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Park Street Extension

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
1111	Storm	1C	Near House #31 - retention area hydro brake & storm sewer (1000')	\$120,000
1111	Sanitary	1	#90 to #150 Park Street Extension - renew 775' of 18" concrete	89,000
1111	Water	1	#90 to #150 Park Street Extension - renew 800' of 6" C.I. (1951)	74,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 38

PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Park Street Extension - #90 to #150

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video inspection indicated that this sewer was in poor condition and required renewal.

5. PROJECT DESCRIPTION:

Renew 775' of 18" concrete.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>89,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>89,000</u>

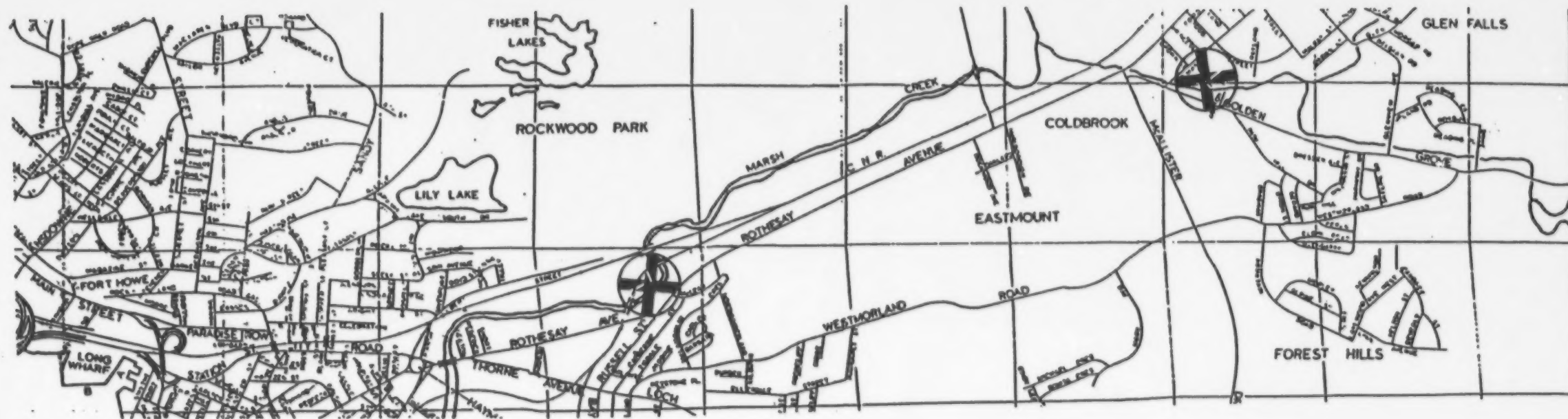
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>89,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Sewage Lift Station

FILE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
1	Sanitary	1	Various locations - corrosion protect. of Lift Stations (4)	25,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 39
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Sewage Lift Stations

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☒ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

These lift stations (some over twenty years old) require replacement of corrosion protection (anodes) to prolong their operation and reduce maintenance and repairs.

5. PROJECT DESCRIPTION:

Corrosion protection of (four) lift stations.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>25,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>25,000</u>

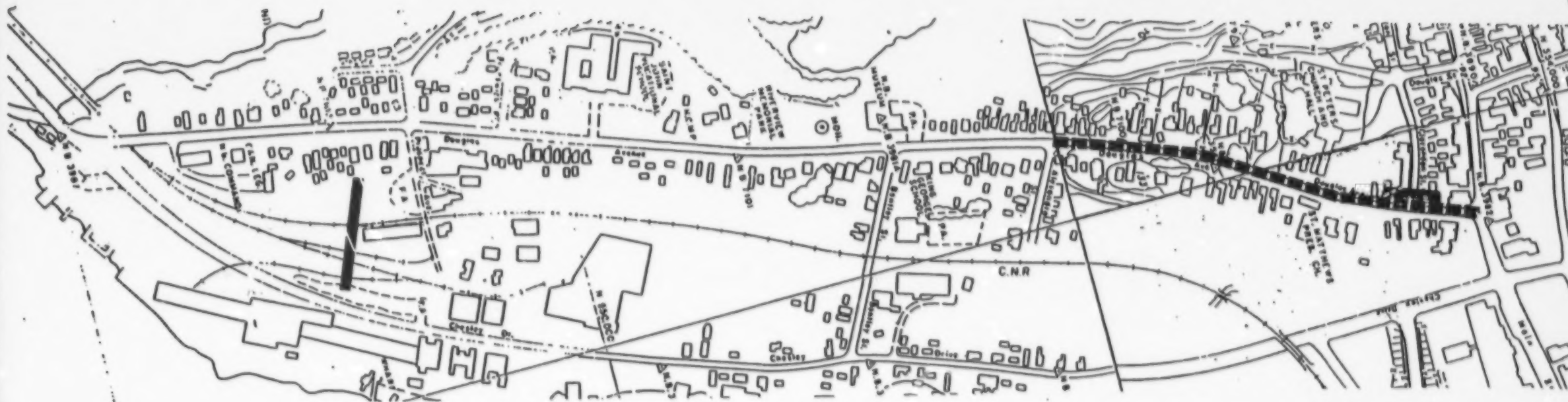
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>25,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Douglas Avenue

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■■■■■	Transportation	1A	Main St. to Alexandra St. - concrete curb and sidewalk, pave, landscape	460,000
■■■■■	Sanitary	1C	Douglas Ave. to chesley Dr. - renew plugged sewer under railway-Easement Acquis.&Constr.	94,000
■■■■■	Transportation	1C	Alexandra St. to Brunswick Place - reinstatement(concrete sidewalk, paving, landscape)	86,000
■■■■■	Sanitary	1	At Clarendon Street - renew 300' of 15" T.C.	44,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 40

PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Douglas Avenue - Douglas Avenue to Chesley Drive

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The existing sewer is plugged in a manhole at the railway crossing and video inspection indicates the sewer is in poor condition and requires renewal.

5. PROJECT DESCRIPTION:

Renew plugged sewer under railway - easement acquisition and construction.

6. COSTING OBJECTS ESTIMATED COST
GROSS COSTS \$ 97,102
RECOVERIES \$ _____
NET COST \$ 97,102

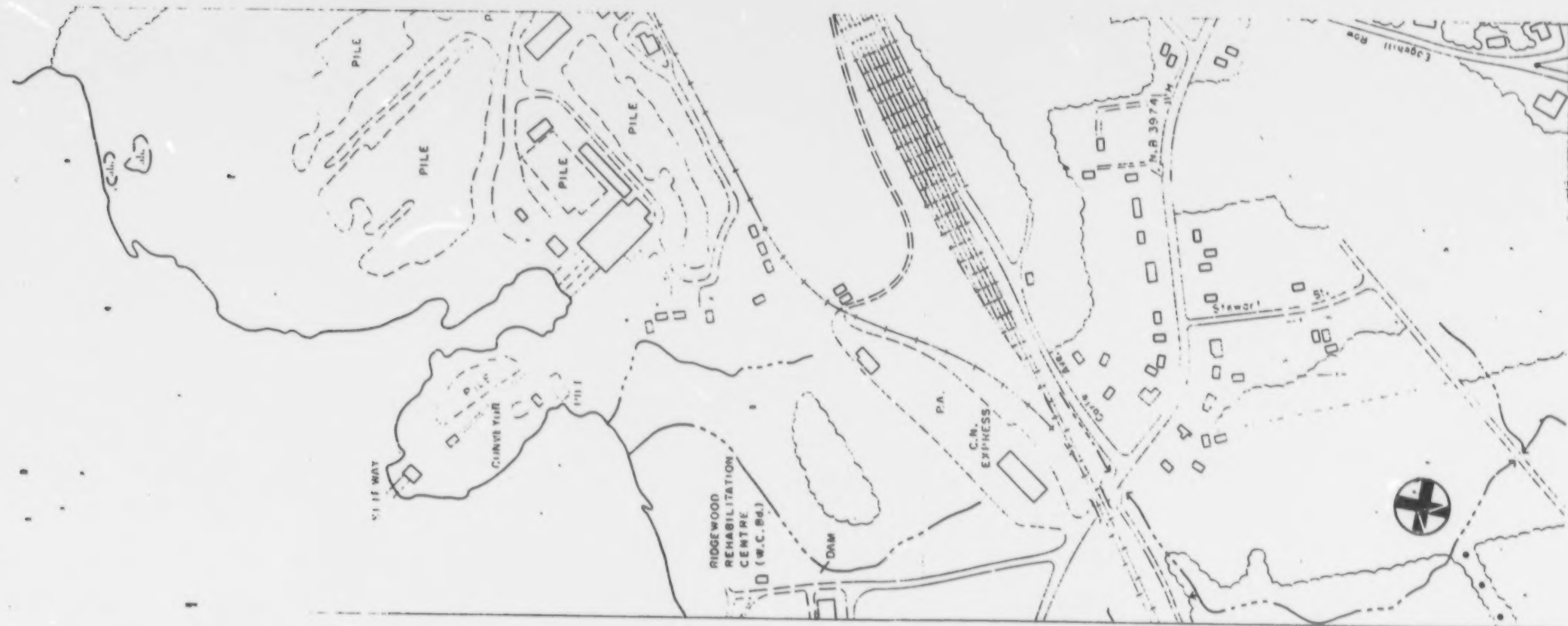
7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ 3,102
 (1990) \$ 94,000
 (1991) \$ _____
 (1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME: Glenwood Subdivision

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1C	Glenwood Subdivision - Construct building around sewage lift station	\$40,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 41
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Glenwood Subdivision

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☒ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The existing station requires protection for the electrical panel and from freezing.

5. PROJECT DESCRIPTION:

To construct a building around the sewage lift station.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>40,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>40,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>40,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Hazen Creek S.T.P.

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1C	Repair to fire damaged building (Holdback for deficiencies)	\$30,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 42

PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Hazen Creek S.T.P.

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☒ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:
 Repair to fire damaged building.

5. PROJECT DESCRIPTION:
 Holdback for deficiencies.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	<u>\$ 336,419.62</u>
RECOVERIES	<u>\$ _____</u>
NET COST	<u>\$ 336,419.62</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE <u>\$ 306,419.62</u>
(1990) <u>\$ 30,000</u>
(1991) <u>\$ _____</u>
(1992) <u>\$ _____</u>

8. <u>PROJECT OPERATING COST</u>
ANNUAL <u>\$ _____</u>

STREET NAME Instrumentation

DATE _____

PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1C	Various locations - Supply & install additional monitoring equipment	\$20,000
	Water	1C	Various locations - Supply & install additional monitoring equipment	20,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 43
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Instrumentation - Various Locations

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☒ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Completion of a project to update, add to and improve the flow and pressure recording and monitoring of the sewage treatment systems.

5. PROJECT DESCRIPTION:

Monitoring equipment (carry over).

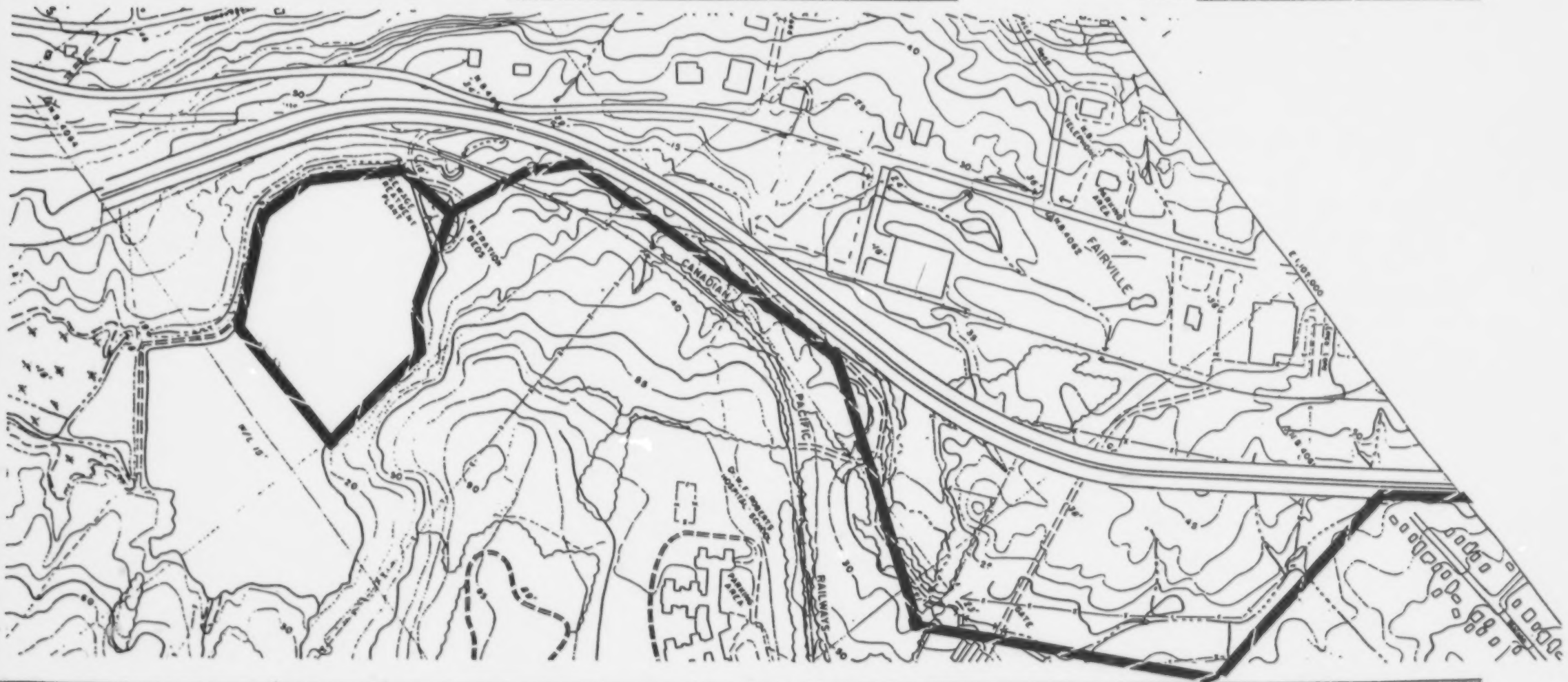
6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>20,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>20,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>20,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Lancaster S.T.P.

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
1	Sanitary	1C	Lancaster S.T.P. - design and construction (Recovery: \$3,560,000)	\$700,000
2	Sanitary	2	Fairville Blvd. - Trunk Sewer (Recovery: \$560,000)	140,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 44

PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Lancaster S.T.P.

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☒ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The present sewage lagoon does not have the capacity for existing or future flows.

5. PROJECT DESCRIPTION:

Design and construction of expansion.

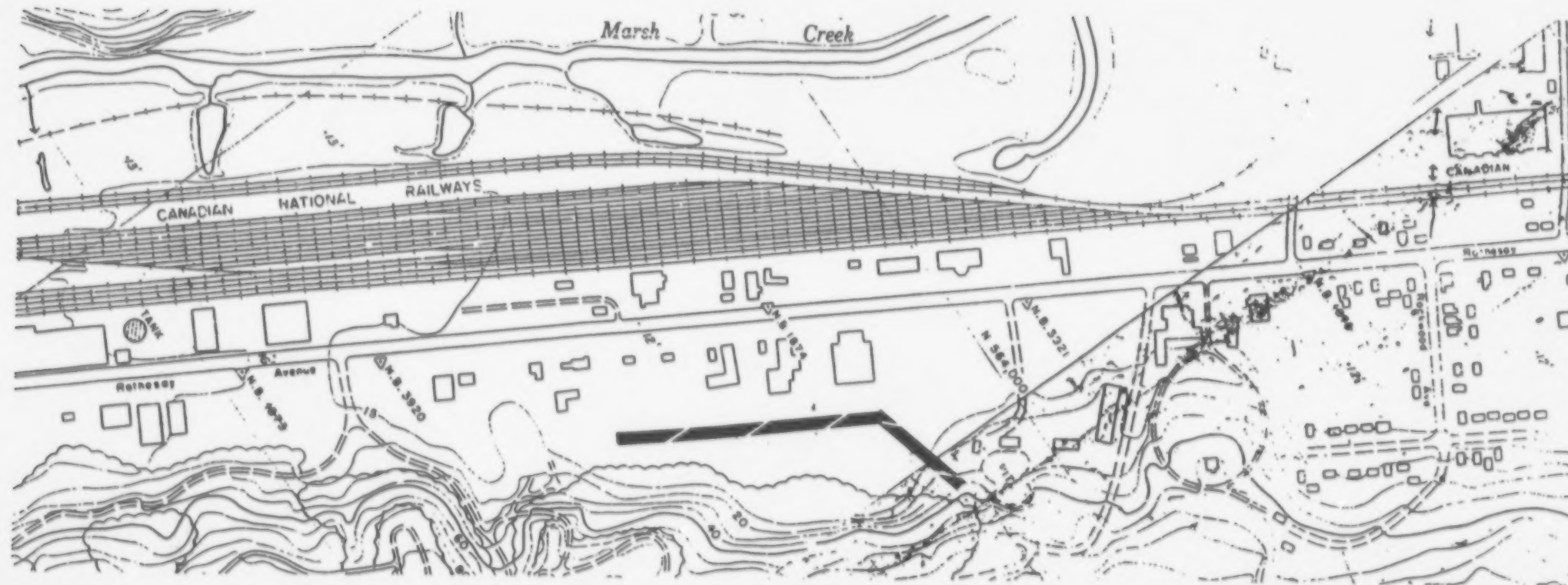
6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	<u>\$ 4,450,000</u>
RECOVERIES	<u>\$ 3,560,000</u>
NET COST	<u>\$ 890,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>700,000</u>
(1991) \$ <u>190,000</u>
(1992) \$ _____

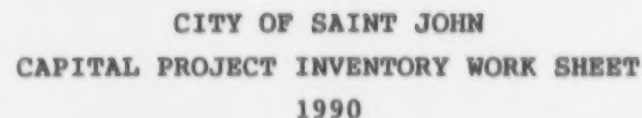
8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME Marsh Creek

PAGE NO _____
DATE _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1C	Rothesay Avenue - Harvey's to Pizza Hut - Renew 1200' of sanitary sewer	\$270,000



PROJECT NO. : _____

2. PROJECT TITLE AND LOCATION: Marsh Creek - Rothesay Avenue

4. PROJECT NEED AND JUSTIFICATION:

The existing 24" sewer has a dip in it causing settlement of solids and a backing up of the sewer.

5. PROJECT DESCRIPTION:

Harveys to Pizza Hut - renew 1,200' of sanitary sewer.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ 270,000
RECOVERIES	\$
NET COST	\$ 270,000

7. **ESTIMATED EXPENDITURE SCHEDULE**
EXPENDED TO DATE \$ _____
(1990) \$ 270,000 _____
(1991) \$ _____
(1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME: Milford-Randolph

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
1	Sanitary	1C	At lift Stations - install retention tanks	\$70,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 46
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Milford - Randolph at Lift Stations

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☒ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Sewage by-passes the sewage lift stations without any treatment, etc., and discharges into the receiving streams when there is a power failure, mechanical breakdown or large flows, etc., at the stations. The retention tanks are to hold sewage during these periods and/or treat it before discharging into the receiving streams.

5. PROJECT DESCRIPTION:

Install retention tanks.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>117,000</u>
RECOVERIES	\$ <u> </u>
NET COST	\$ <u>117,000</u>

7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ <u>47,000</u>
(1990) \$ <u>70,000</u>
(1991) \$ <u> </u>
(1992) \$ <u> </u>

8. PROJECT OPERATING COST
ANNUAL \$ <u> </u>

STREET NAME Monte Cristo Subdivision S.T.P.

PAGE NO _____

DATE _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1C	Monte Cristo Subdivision - City's share of S.T.P. design and construction	\$20,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 47
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Monte Cristo Subdivision S.T.P.

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Developer is replacing an older septic tank with a treatment plant to provide sewage treatment for a new subdivision and existing lots.

5. PROJECT DESCRIPTION:

City's share of sewage treatment plant construction and design costs.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>40,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>40,000</u>

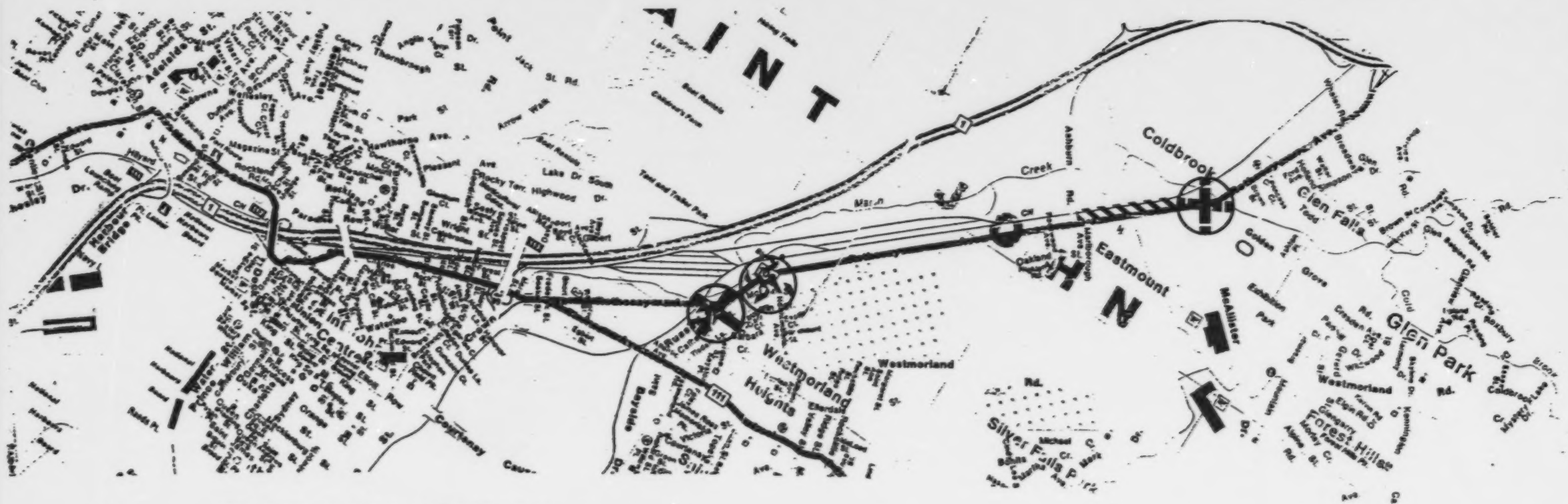
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ <u>20,000</u>
(1990) \$ <u>20,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Rothesay Avenue

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1C	At One Mile House - Update variable speed pumps	75,000
	Water	2A	Northumberland to McDonald's - Renew 700' of 8" (1957)	70,000
	Transportation	2	McAllister Drive Intersection - Widening (Recovery \$227,000)	
	Water	3	Ashburn to McAllister - Renew 2500' of 12" (1931) to new 12" P.V.C.	260,000
	Water	1	Various locations - New butterfly valves on 36" lock joint pipe	50,000
	Water	2	McLean St. to Northumberland - Renew 1000' of 8" (1957)	110,000
	Transportation	1	Russell St. - Speedy Auto Glass - Retaining wall, concrete curb & gutter, sidewalk, pole relocation (south side only)	23,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 48
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Rothsay Avenue at One Mile House

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☒ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The existing variable speed pumps are old (installed in 1971) and maintenance has become costly. These pumps are to be updated to reduce maintenance costs and downtime.

5. PROJECT DESCRIPTION:

Update variable speed pumps.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>83,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>83,000</u>

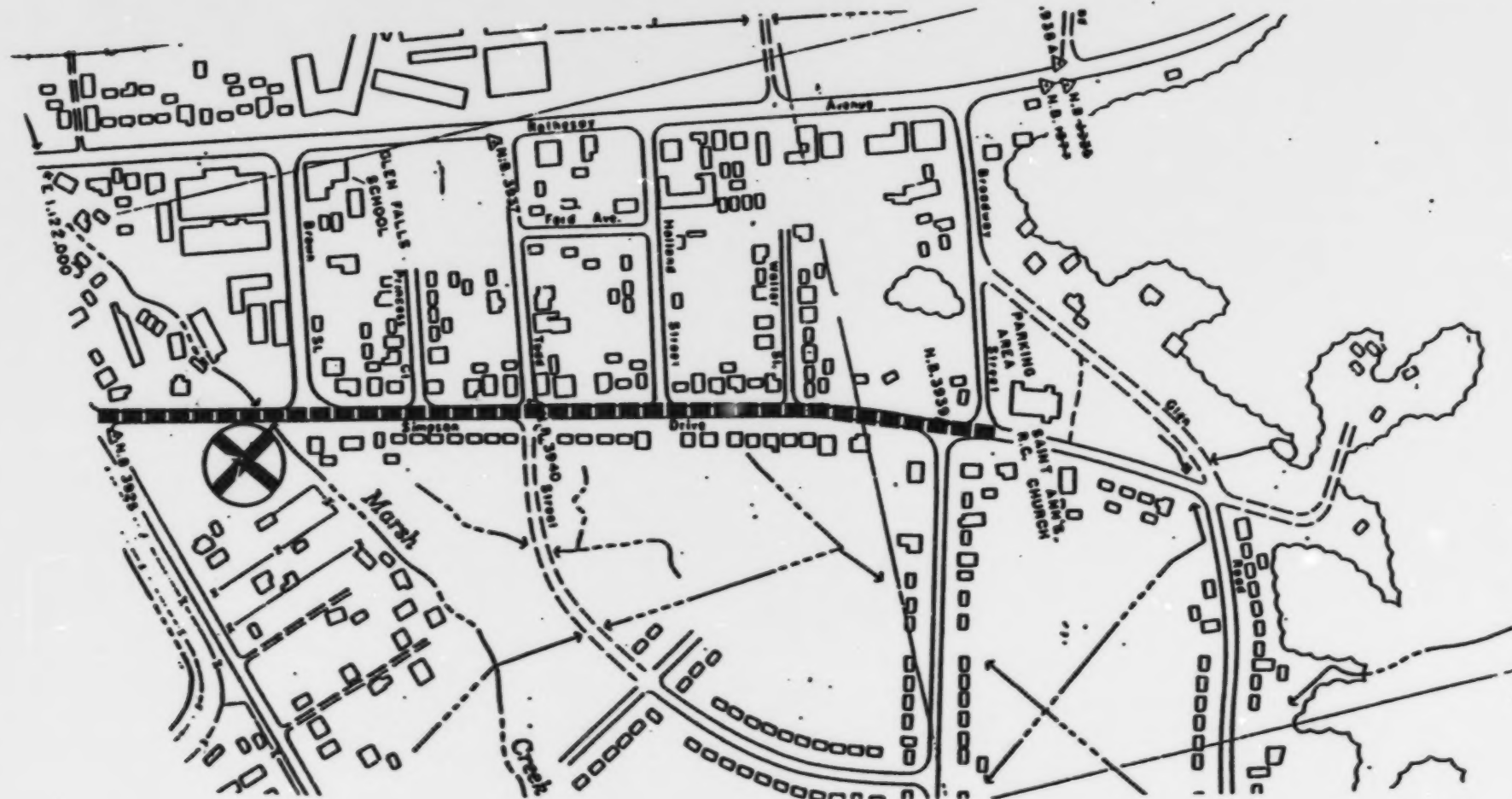
7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ <u>8,000</u>
(1990) \$ <u>75,000</u>
(1991) \$ _____
(1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME: Simpson Drive

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
1	Sanitary	1C	Simpson Drive Pump Station - Update variable speed pumps	75,000
2	Transportation	3	Golden Grove Road to Broadway St. - concrete curb, landscaping	105,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 49
PROJECT NO.: _____

1. DEPARTMENT: SANITARY

2. PROJECT TITLE AND LOCATION: Simpson Drive - Simpson Drive Pump Stations

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☒ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The existing variable speed pumps are old (installed in 1971) and parts for repairs are hard to get.

5. PROJECT DESCRIPTION:

Update variable speed pumps.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>83,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>83,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ <u>8,000</u>
(1990) \$ <u>75,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

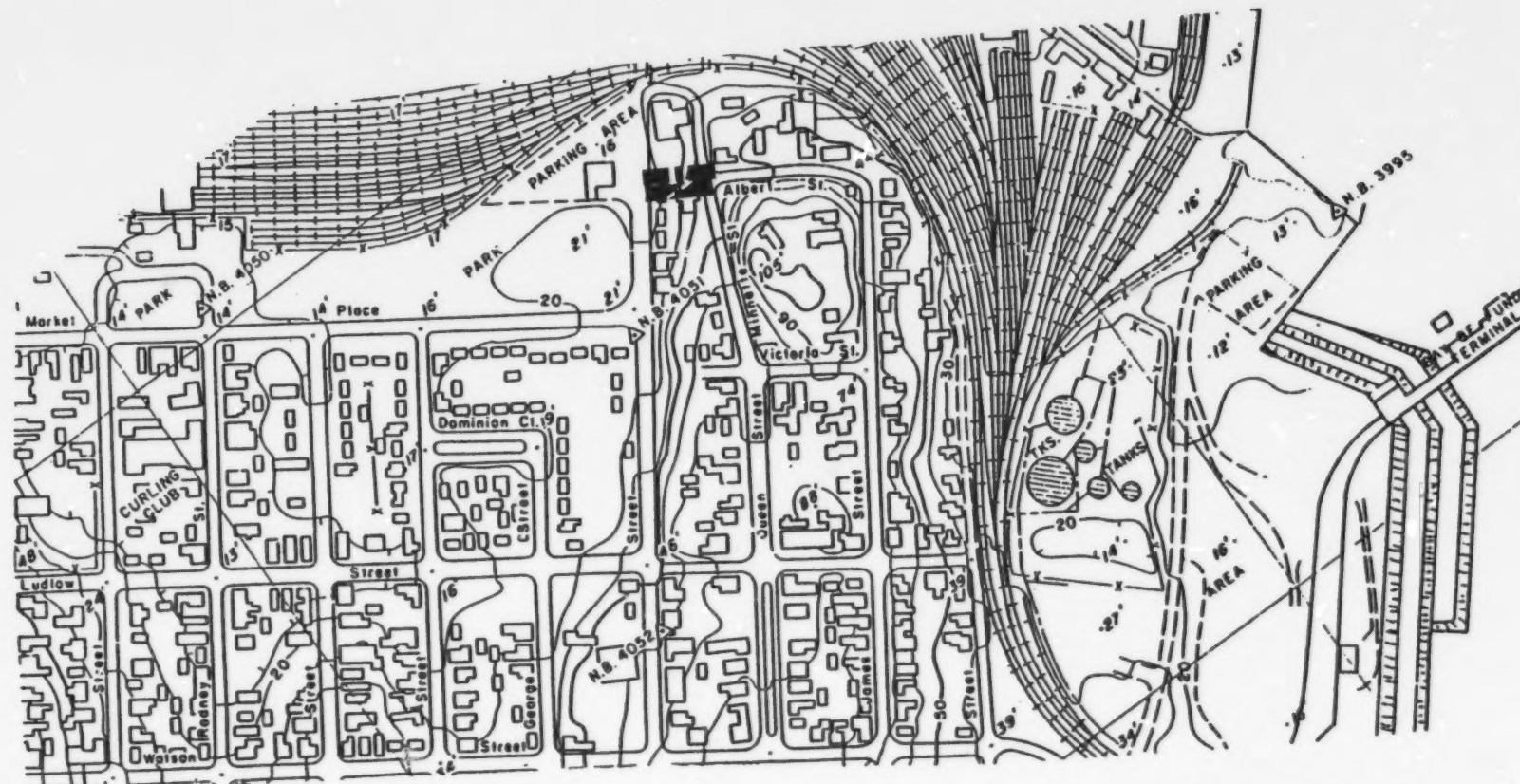


1990 STORM SEWER CAPITAL

STREET NAME Albert Street (W)

PAGE NO _____

DATE _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■■■■■	Storm	1	Minnette Street to St. John Street - Install 150' of 12" storm sewer	\$14,000
■/■	Sanitary	1	Minnette Street to St. John Street - Renew 150' of 9" T.C. with 8" P.V.C.	14,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 50

PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Albert Street - Minette Street to St. John Street

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

New storm sewer to accommodate storm water discharge from proposed Bleu Non-Profit Housing Inc. development.

5. PROJECT DESCRIPTION:

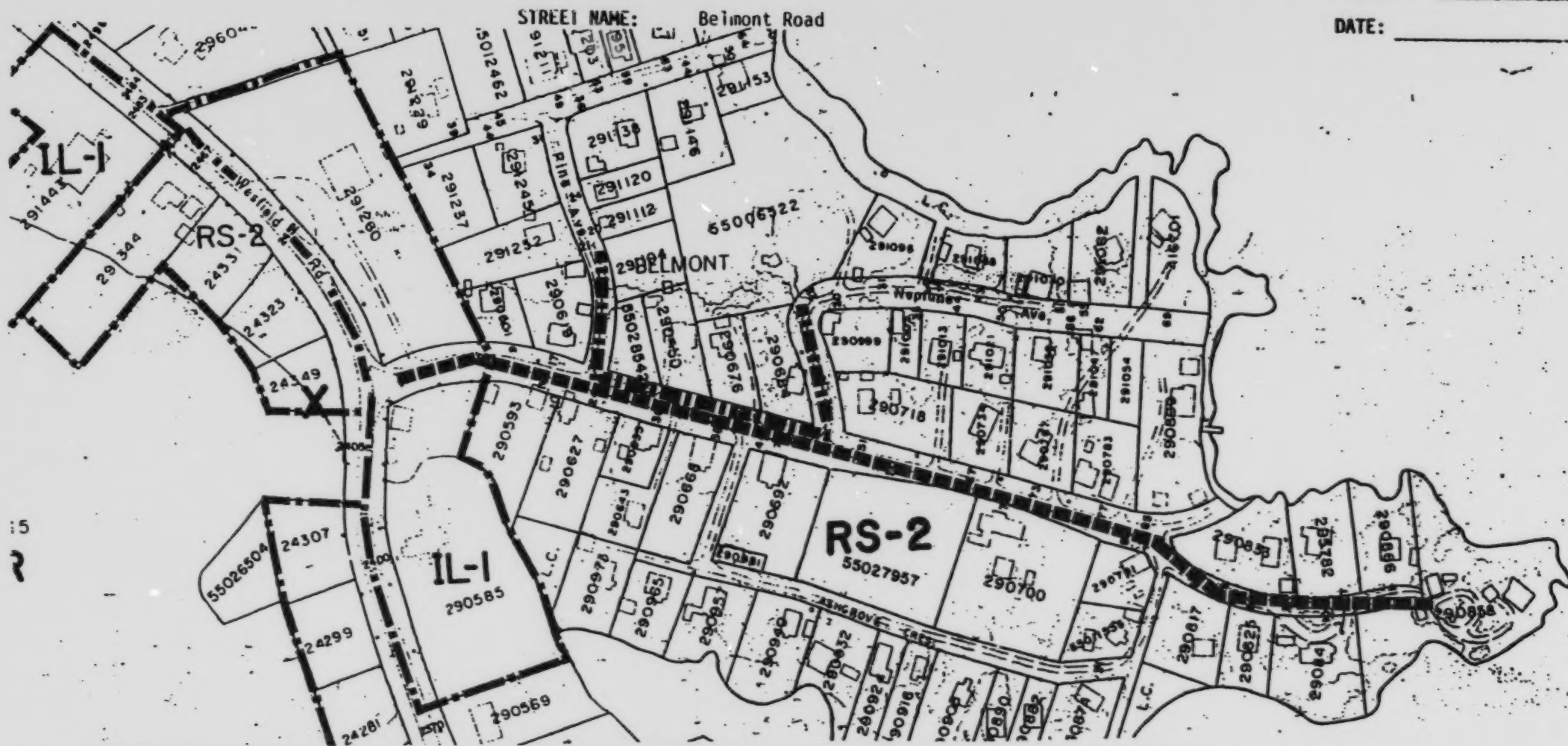
Install 150' of 12" storm sewer.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	<u>\$ 14,000</u>
RECOVERIES	<u>\$</u>
NET COST	<u>\$ 14,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>14,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
11111	Storm	1	Neptune-Belmont-Pine - install storm sewer system, 900' +/-	55,000
11111	Transportation	1	Martinon - chipseal	28,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 51

PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Belmont Road - Neptune - Belmont - Pine

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The existing area is serviced with ditches and culverts for drainage, but there is backup and drainage problems due to poor grades, etc. Therefore, a pipe system is required to get proper grades and depths, etc.

5. PROJECT DESCRIPTION:

Install storm sewer system, 900+.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>55,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>55,000</u>

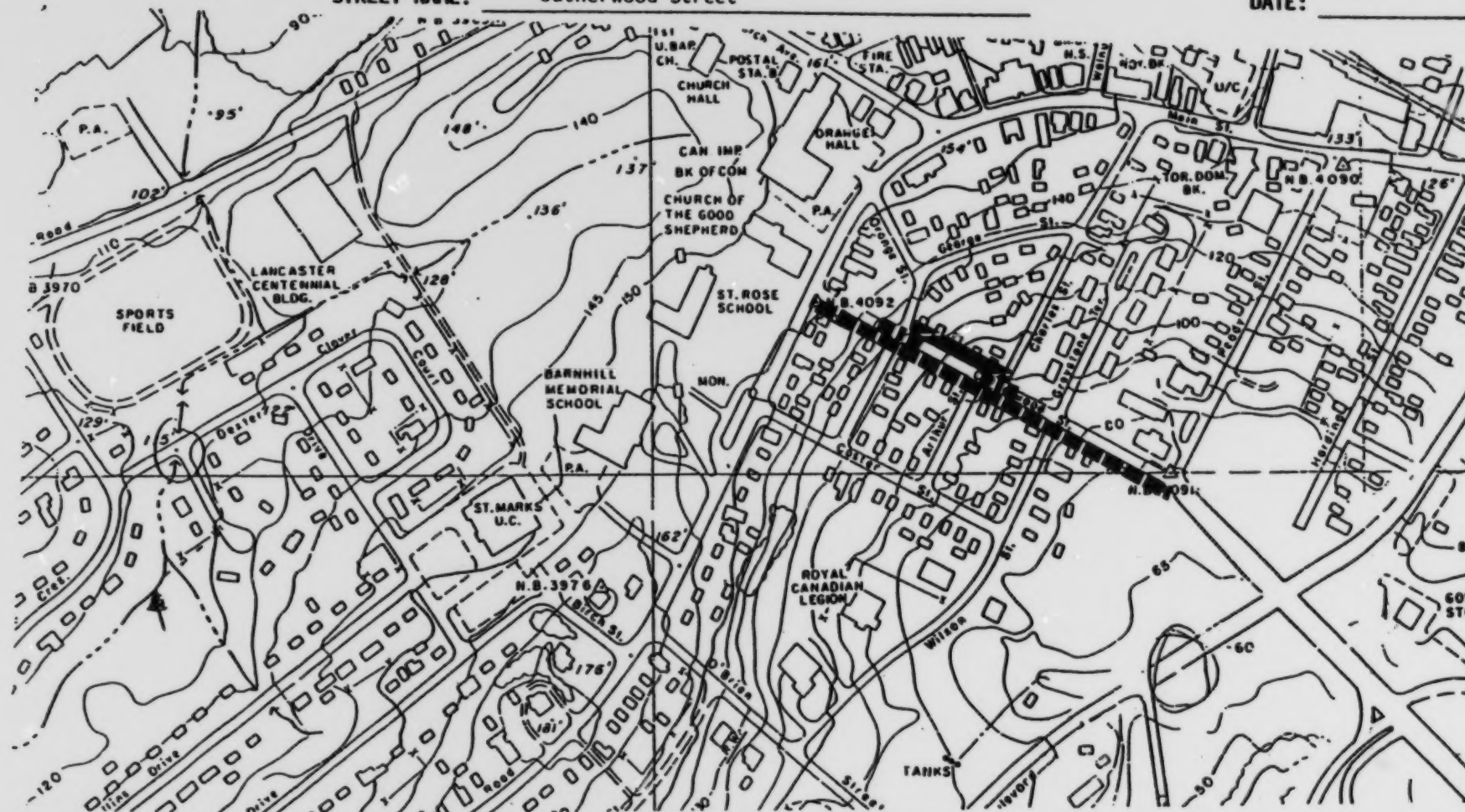
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>55,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

PAGE NO.: _____

DATE: _____

STREET NAME: Catherwood Street



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
1	Sanitary	1	#58 to #35 - renew 252' of 10" sewer	30,000
2	Transportation	2 A	Fairville Blvd. to Manawagonish - concrete curb, concrete sidewalk, landscaping	116,000
3	Storm	1	At Charles and George Street Intersections	22,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 52
PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Catherwood Street - At Charles and George Street Intersections

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☒ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Video has shown the sewer in poor condition and should be renewed. A storm system is required to separate the storm and sanitary for proper treatment in the future.

5. PROJECT DESCRIPTION:

Install catch basins and relay laterals to future storm sewer.

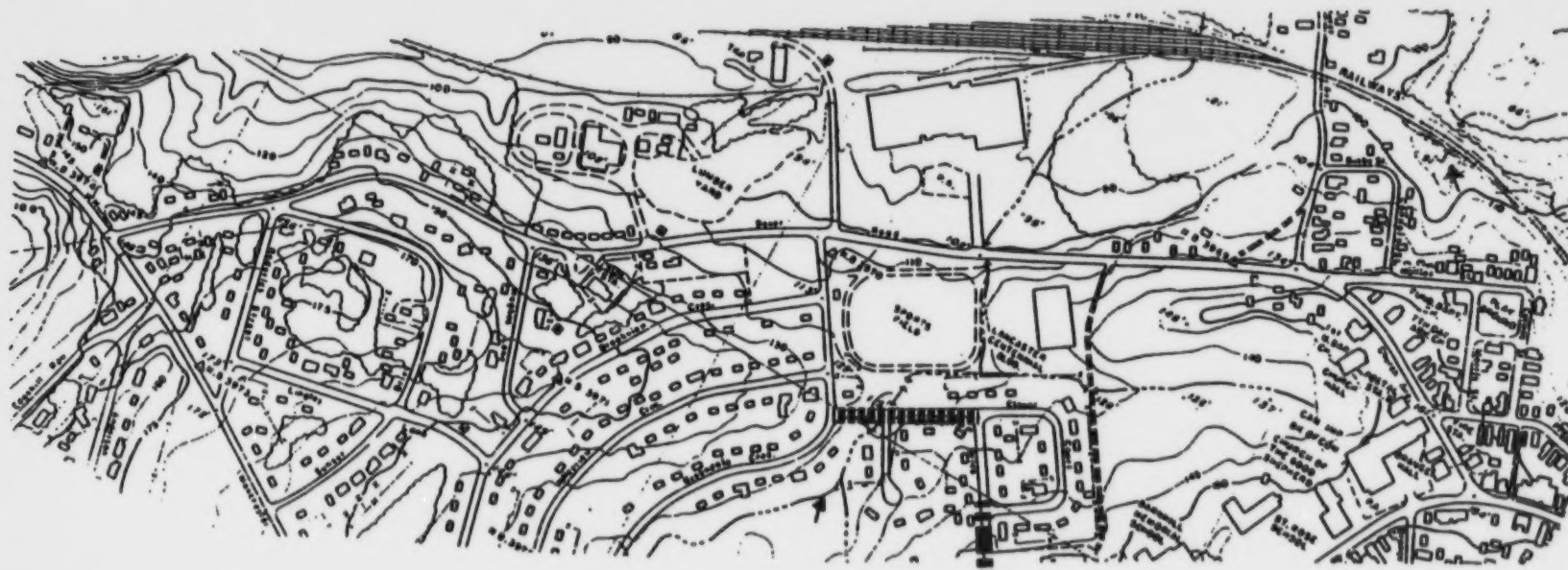
6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	<u>\$ 22,000</u>
RECOVERIES	<u>\$</u>
NET COST	<u>\$ 22,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>22,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
000001	Storm	1	At St. Mark's Church - install 350' + of 8", 12" & 15" pipe	40,000
000002	Maintenance	1	Greendale Crescent to Clover Ct. - resurfacing	



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 53
PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Dexter Drive - At St. Marks Church

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☒ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The existing sewers around St. Marks Church and Mollins Drive on Dexter Drive are combined sewers which discharge into the storm sewer system. This project is going to separate the sewers into sanitary and storm sewers.

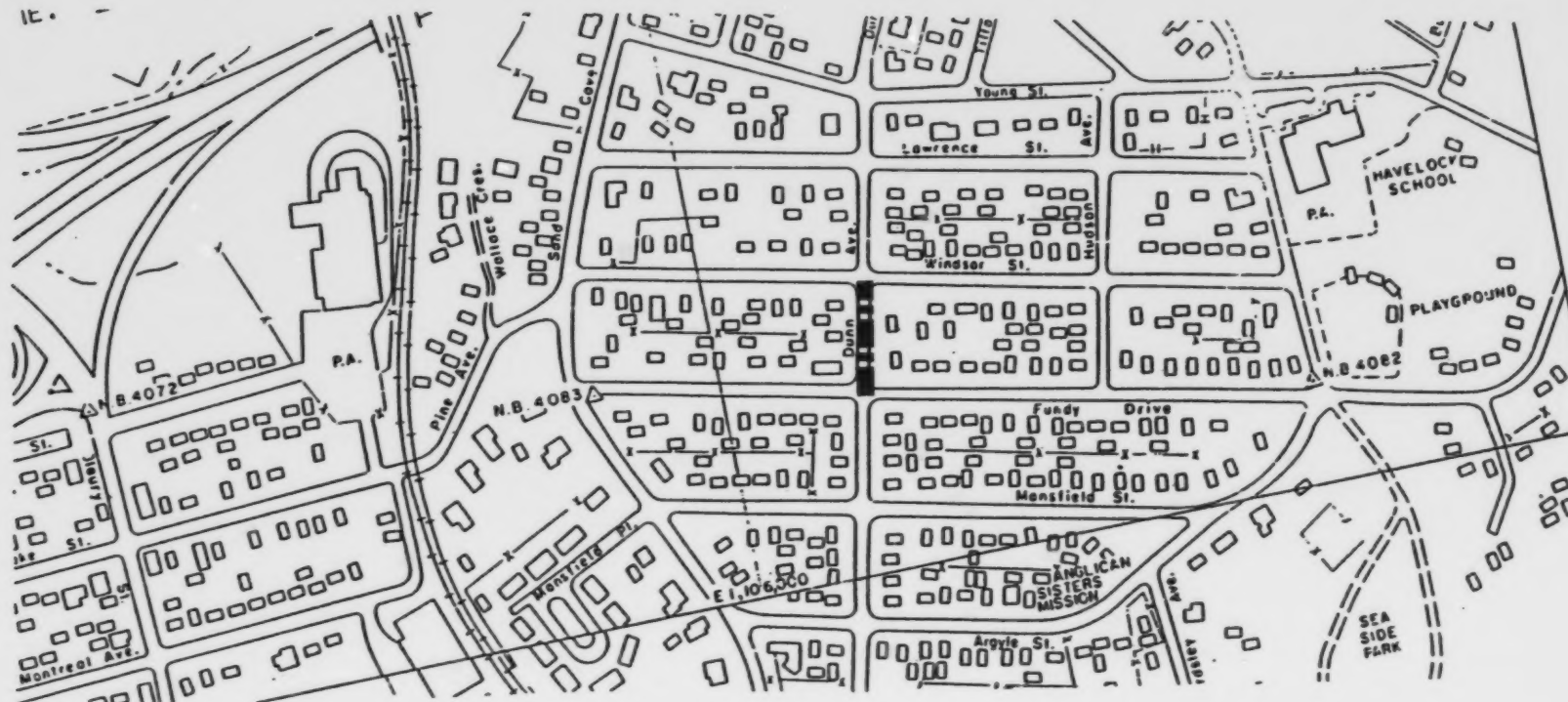
5. PROJECT DESCRIPTION:

Install 350' ± of 8", 12" and 15" pipe.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>40,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>40,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>40,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME Dunn AvenuePAGE NO. _____
DATE _____

PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■■■■■	Storm	1	Windsor to Fundy Drive - Install 400' of 12" storm sewer plus catch basins	\$40,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 54
PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Dunn Avenue - Windsor to Fundy Drive

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Storm system required to alleviate drainage and icing problems in this area.

5. PROJECT DESCRIPTION:

Install 440' of 12" storm sewer plus catch basins.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>40,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>40,000</u>

7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
(1990) \$ <u>40,000</u>
(1991) \$ _____
(1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME: Grandview Avenue

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■■■■■	Storm	1	Champlain Drive to Cromwell Dr. - install 900' of 12" & 18" pipe, etc.	80,000
■■■■■	Transportation	2	Champlain Drive to Cromwell Dr. - concrete curb, landscaping, (south side)	14,000
////	Water	3	Heatherway to McLeod Street - installing 3800' of 12"	310,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
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PAGE NO.: 55
PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Grandview Avenue - Champlain Drive to Cromwell Drive

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

On Grandview Avenue between Champlain Drive to Cromwell Drive and on Champlain Drive to Grandview Avenue, there are no storm sewers. Therefore, the existing catch basins go into the sanitary sewer and more catch basins are required to take surface drainage off the road due to installation of new concrete curbs and sidewalks.

5. PROJECT DESCRIPTION:

Install 900' of 12" and 18" pipe, etc.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ 80,000
RECOVERIES	\$
NET COST	\$ 80,000

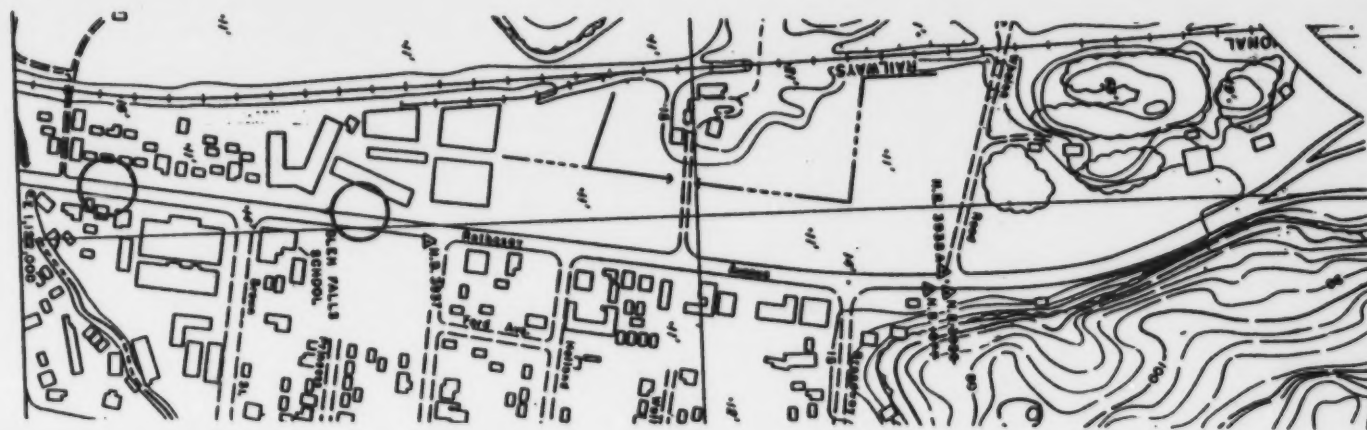
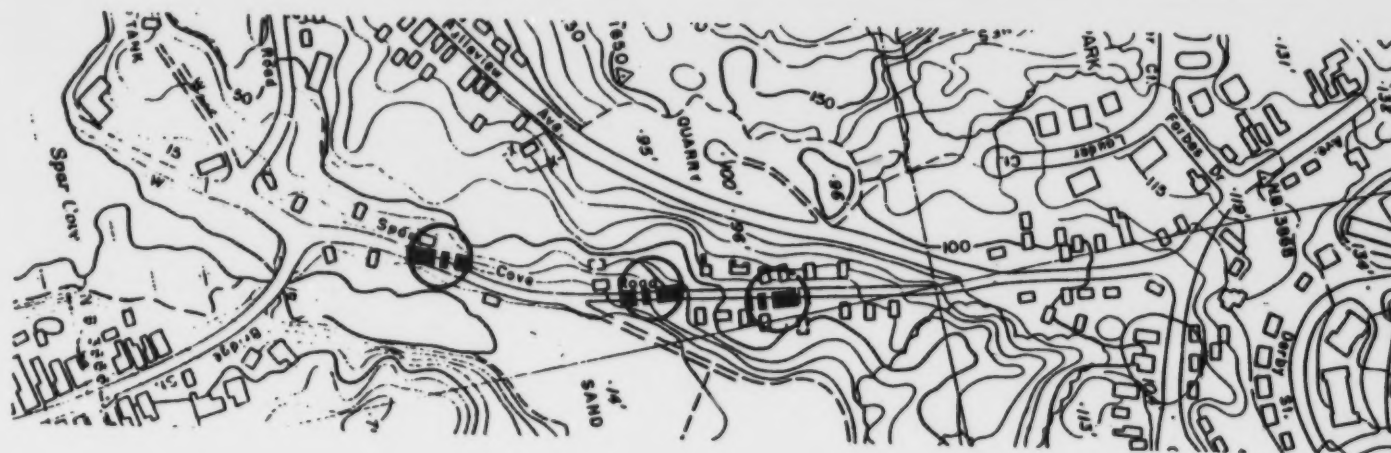
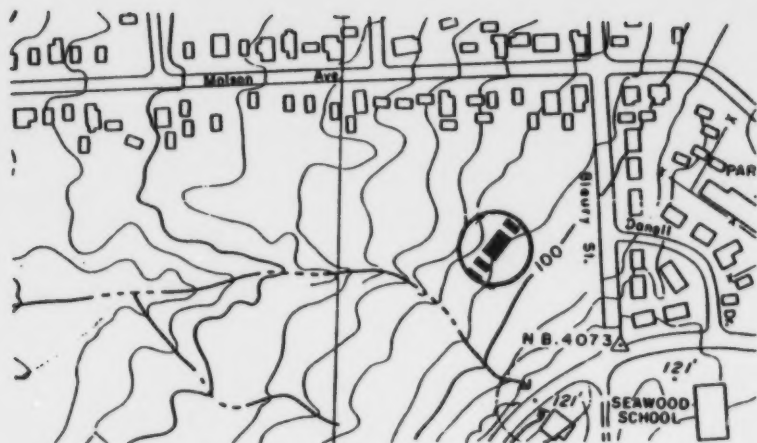
7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$
(1990) \$ 80,000
(1991) \$
(1992) \$

8. PROJECT OPERATING COST
ANNUAL \$

STREET NAME: Local Drainage

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
11111	Storm	1	Various locations - Rothesay Ave., Allingham Cres., Spar Cove Road, Kiwanis Court	70,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 56

PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Local Drainage - Various Locations

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Catch basins and piping, etc., are required in various areas such as Spar Cove Road, Kiwanis Court, Rothesay Avenue, or other areas which may be noted during the year to correct drainage problems such as water ponding on streets, icing problems, etc.

5. PROJECT DESCRIPTION:

Kiwanis Court, Spar Cove Rod, Allingham Crescent, Rothesay Avenue, Francis Street.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ 70.000
RECOVERIES	\$ _____
NET COST	\$ 70.000

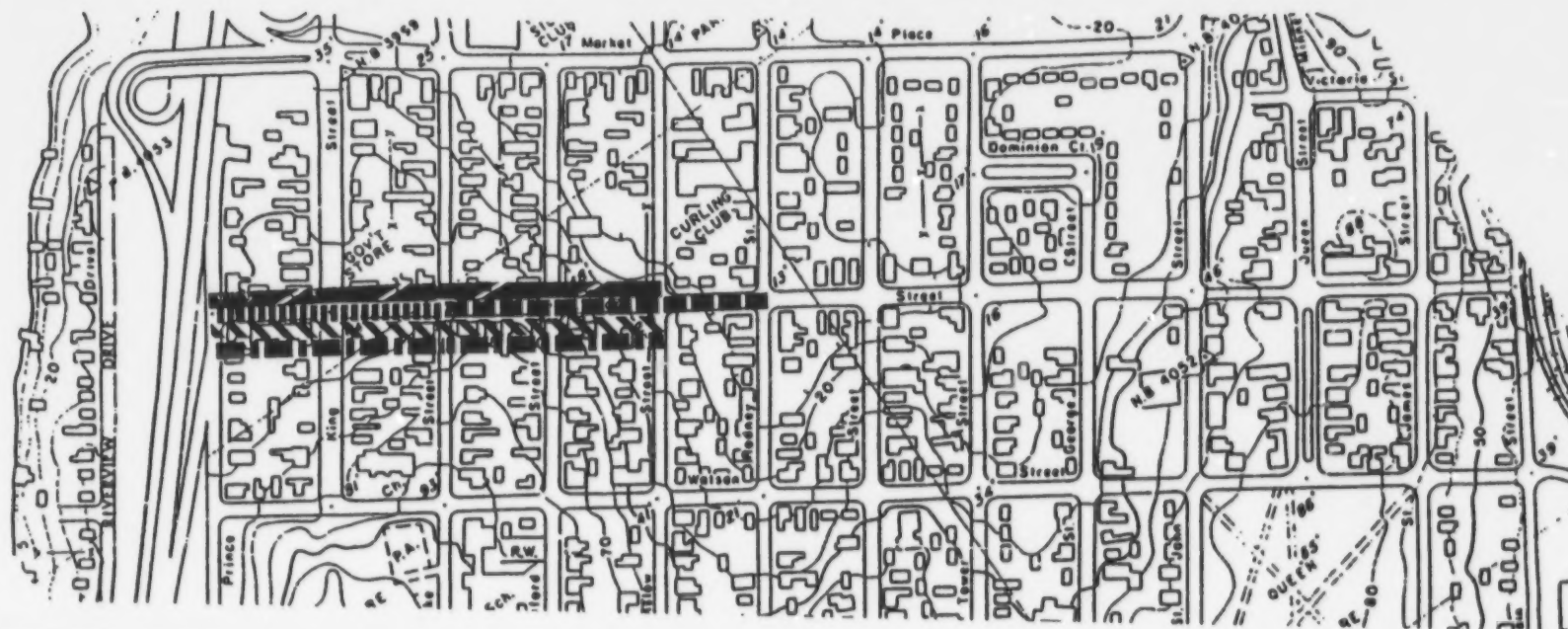
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ 70,000
(1991) \$ _____
(1992) \$ _____

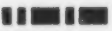
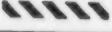
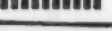
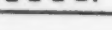
8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Ludlow Street

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Sanitary	1	Duke Street to Winslow Street - Renew 700' of 12" & 15" of sanitary sewer	\$80,000
	Storm	1	Duke Street to Winslow Street - 600' of 12" & 15" storm sewer to separate combined system	55,000
	Water	1	Duke Street to Winslow Street - Renew 700' of 8" (1913)	90,000
	Transportation	2	Rodney Street to Duke Street (W) - Concrete curb, sidewalk	42,000
	Maintenance	2	Prince Street to Duke Street - Asphalt resurfacing	
	Sanitary	2A	Duke Street to Prince Street - Renew 550' of 12" & 15" sewer	65,000
	Storm	2A	Duke Street to Prince Street - Install 600' of 10" & 12" storm sewer	55,000
	Water	2A	Duke Street to Prince Street - Renew 720' of 8" (1913)	90,000



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CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 57

PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Ludlow Street - Duke to Winslow

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The sewer in this area is in poor and collapsing condition and is to be replaced in 1990 and 1991. The system is now combined and should be separated.

5. PROJECT DESCRIPTION:

Install approximately 600' of storm sewer to separate combined sewer from Duke Street to Winslow in 1990. Install 600' of storm sewer from Prince Street to Duke Street in 1991.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>110,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>110,000</u>

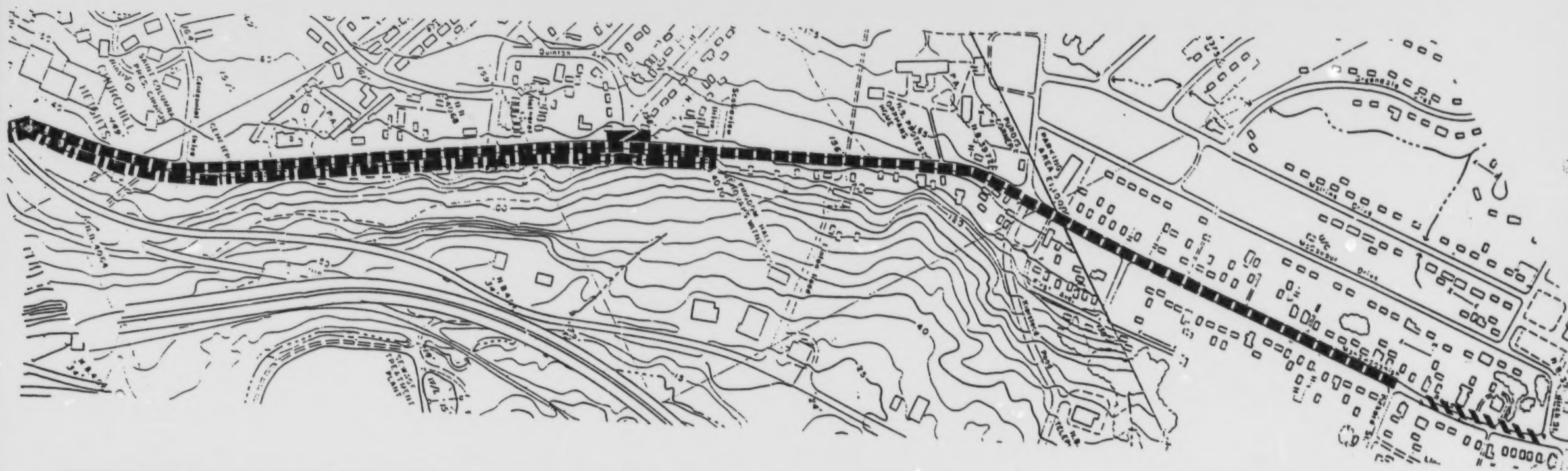
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>55,000</u>
(1991) \$ <u>55,000</u>
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Manawagonish Road

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
	Storm	1	Scotiaview to Fairville Boulevard - Install 3300' of 10", 18", & 24" pipe, etc.	\$300,000
—	Sanitary	1	At Quinton Avenue - Renew 200' of 12" sewer	23,000
////	Water	2	Birch Street Westward - Install 1300' of 12"	150,000
////	Water	2	Fairville Boulevard Westward - Install 2000' of 12" pipe	200,000
■■■■	Transportation	2	Pickard Street to Kierstead Street - Concrete curb & s/w (north side)(\$225,000)	30,000
■■■■	Transportation	2	Manchester Avenue to Fairville Boulevard - Concrete curb, paving, landscaping	270,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 58
PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Manawagonish Road - Scotiaview to Fairville Boulevard

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Manawagonish Road on the north side has no curb, ditching, etc. Thus, surface run-off goes off the road and over private property. The catch basins which are in this area go into small combined sewers which go to the treatment plant, therefore, separation of sanitary and storm sewers is necessary.

5. PROJECT DESCRIPTION:

Install 3,300' of 10", 18" and 24" pipe, etc., and acquire the necessary easements.

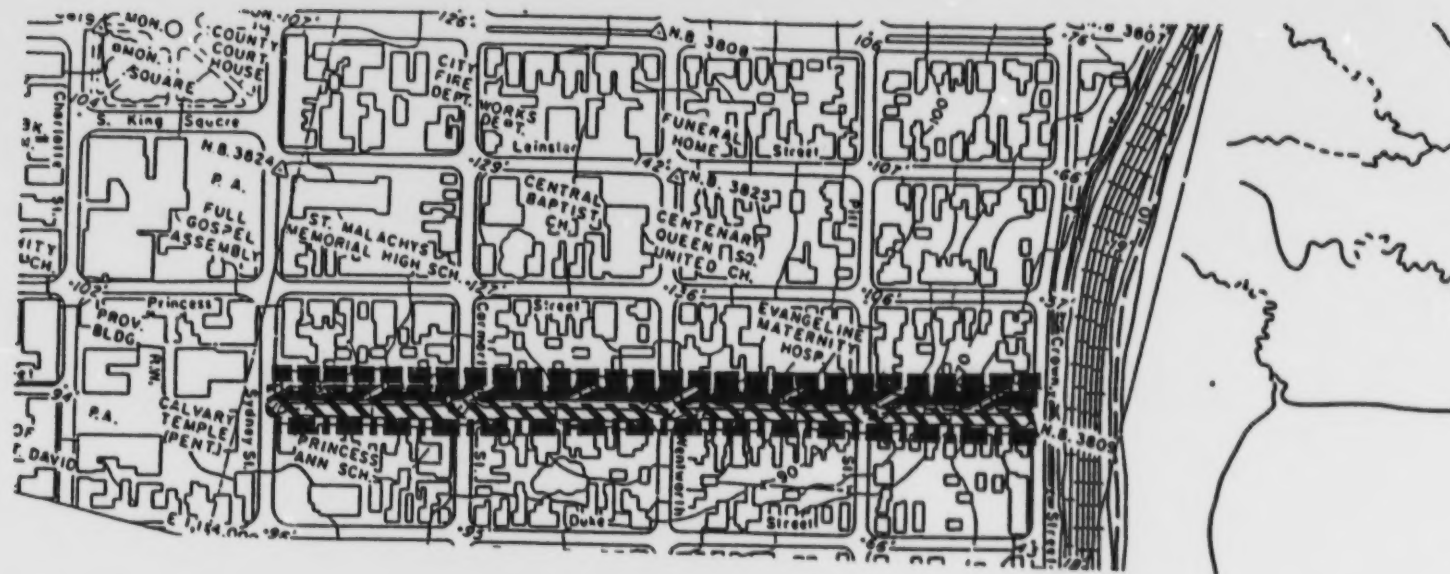
6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>300,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>300,000</u>

7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
(1990) \$ <u>300,000</u>
(1991) \$ _____
(1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

DATE: _____

STREET NAME: Orange Street

[illegible]



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 59

PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Orange Street - Sydney Street to Crown Street

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The existing combined sewer system, which is in poor condition, is being renewed this year, and it is desirable to separate the storm and sanitary for future treatment requirements.

5. PROJECT DESCRIPTION:

Install 1,400' ± of storm sewer.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ 150,000
RECOVERIES	\$
NET COST	\$ 150,000

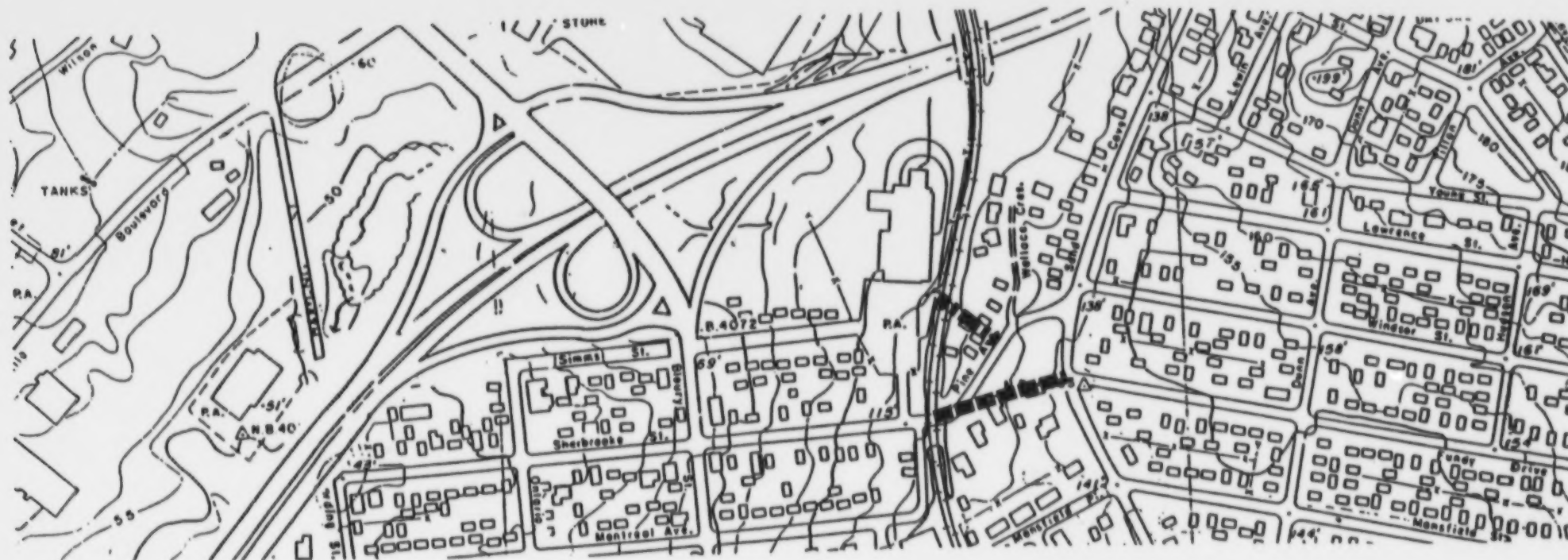
7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$
(1990) \$ 150,000
(1991) \$
(1992) \$

8. PROJECT OPERATING COST
ANNUAL \$

STREET NAME: Pine Avenue

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
111111	Storm	1	At Wallace Court - Install 180' of 12" storm sewer & catch basin (easement)	\$ 20,000
222222	Transportation	2A	Sherbrooke Street to Sand Cove Road - Road realignment, pole relocation, landscaping	154,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 60
PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Pine Avenue at Wallace Court to Railway Ditch

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

On Pine Avenue at Wallace Court, water runs off the street down through private property. It is proposed to install 180' of pipe from a ditch along the railway right-of-way up an easement to Pine Avenue and at this point install a manhole - catch basin.

5. PROJECT DESCRIPTION:

Install 180' of 12" storm sewer to catch basin (easement).

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>20,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>20,000</u>

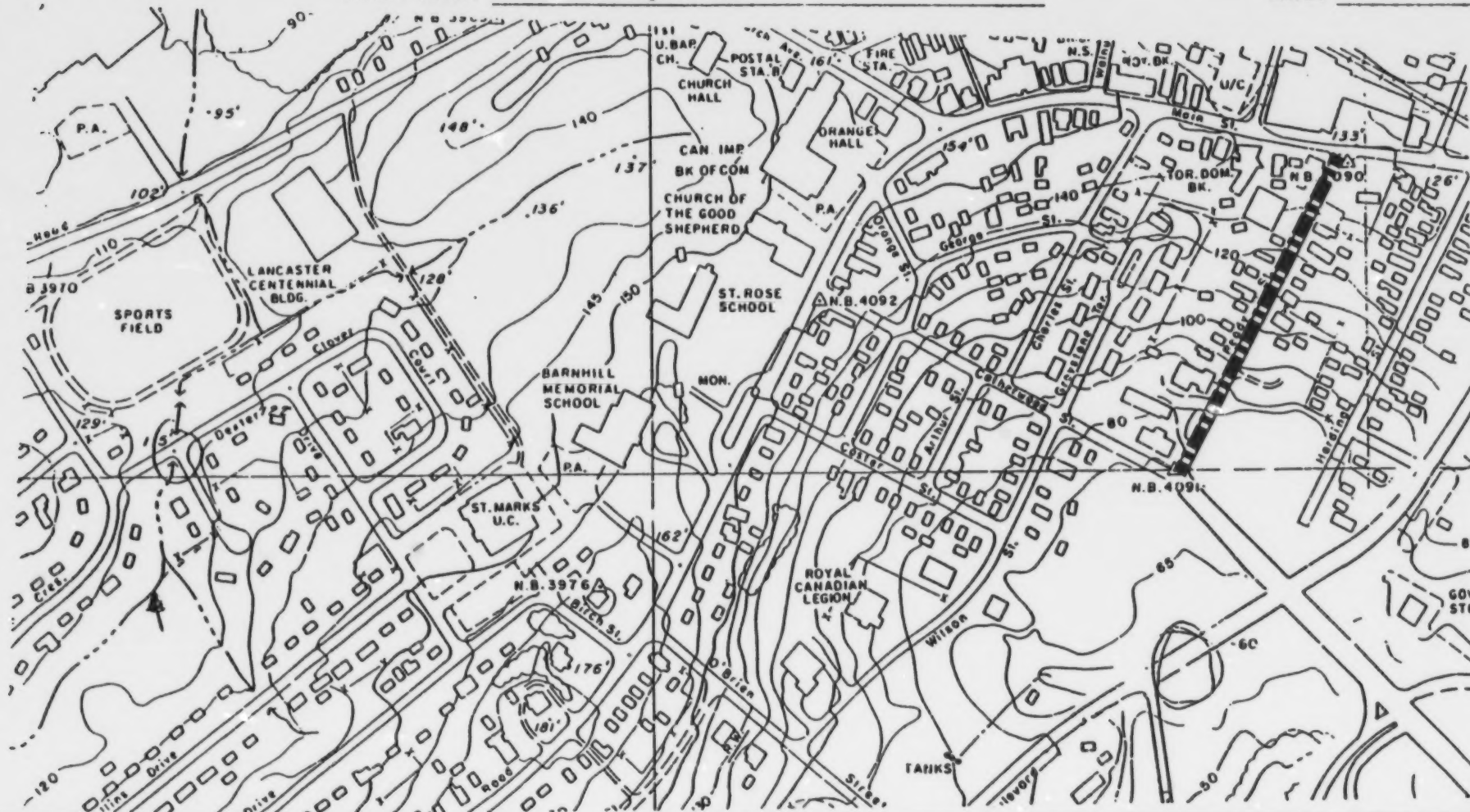
7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
(1990) \$ <u>20,000</u>
(1991) \$ _____
(1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

PAGE NO.: _____

DATE: _____

STREET NAME: Ready Street



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■■■■■	Storm	1	Catherwood to Main St. - install 825' of 12" storm sewer	75,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 61

PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Ready Street - Catherwood to Main Street

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The drainage on Ready Street and a large parking lot goes into an 8" combined sewer, which goes to a sewage treatment plant. This sewer system needs to be separated for sewage treatment and to prevent possible flooding.

5. PROJECT DESCRIPTION:

Install 825' of 12" storm sewer.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ 75,000
RECOVERIES	\$
NET COST	\$ 75,000

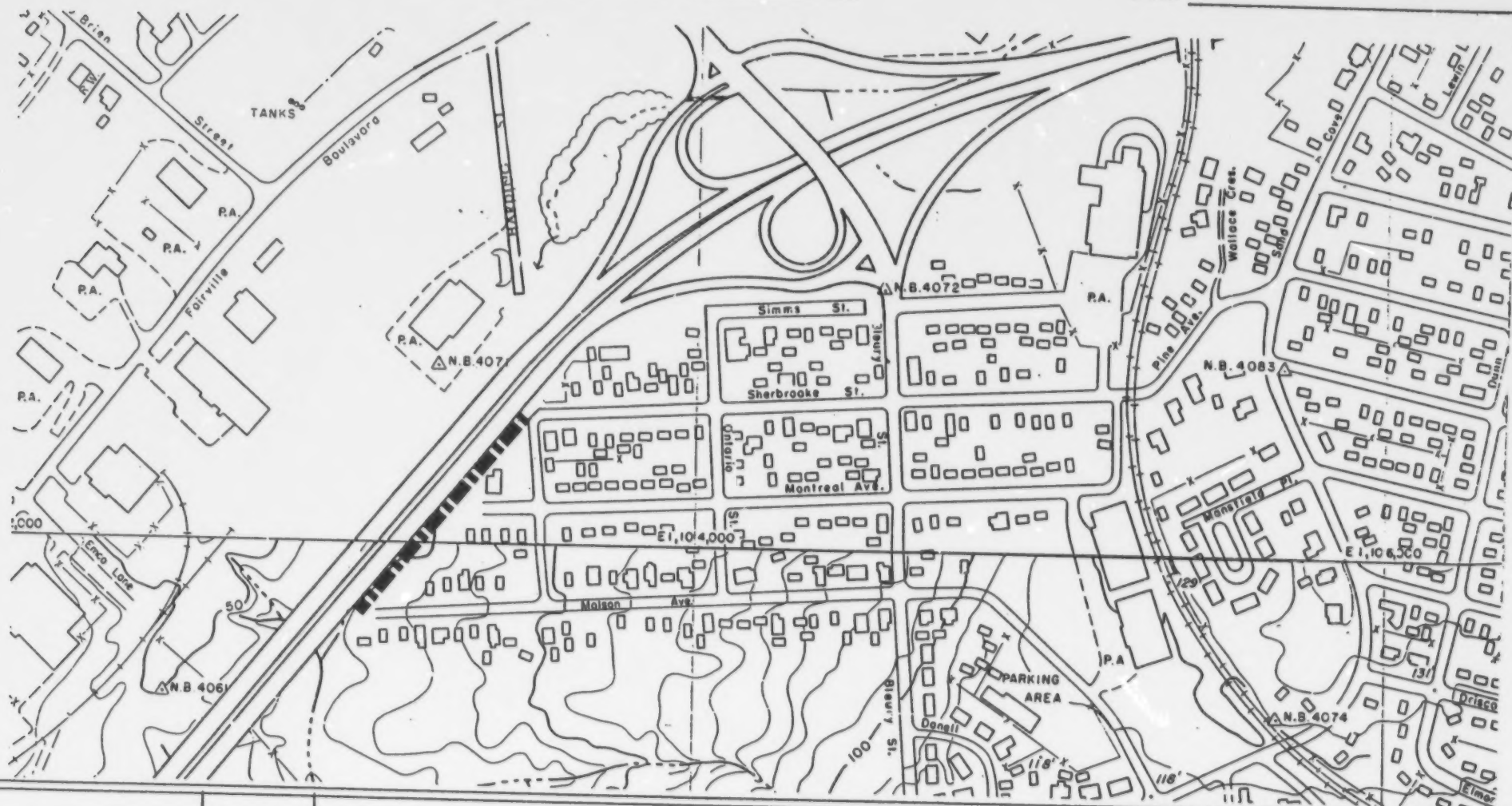
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$
(1990) \$ 75,000
(1991) \$
(1992) \$

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$

STREET NAME Sherbrooke/Molson Avenue

PAGE NO _____

DATE _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■■■■■	Storm	1	At foot of Sherbrooke & Molson Ave. - install 200' of 24" plus construct a swale	30,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 62
PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Sherbrooke/Molson Avenue

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☒ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

There is flooding in this area during heavy run-off. This project is needed to help reduce flooding.

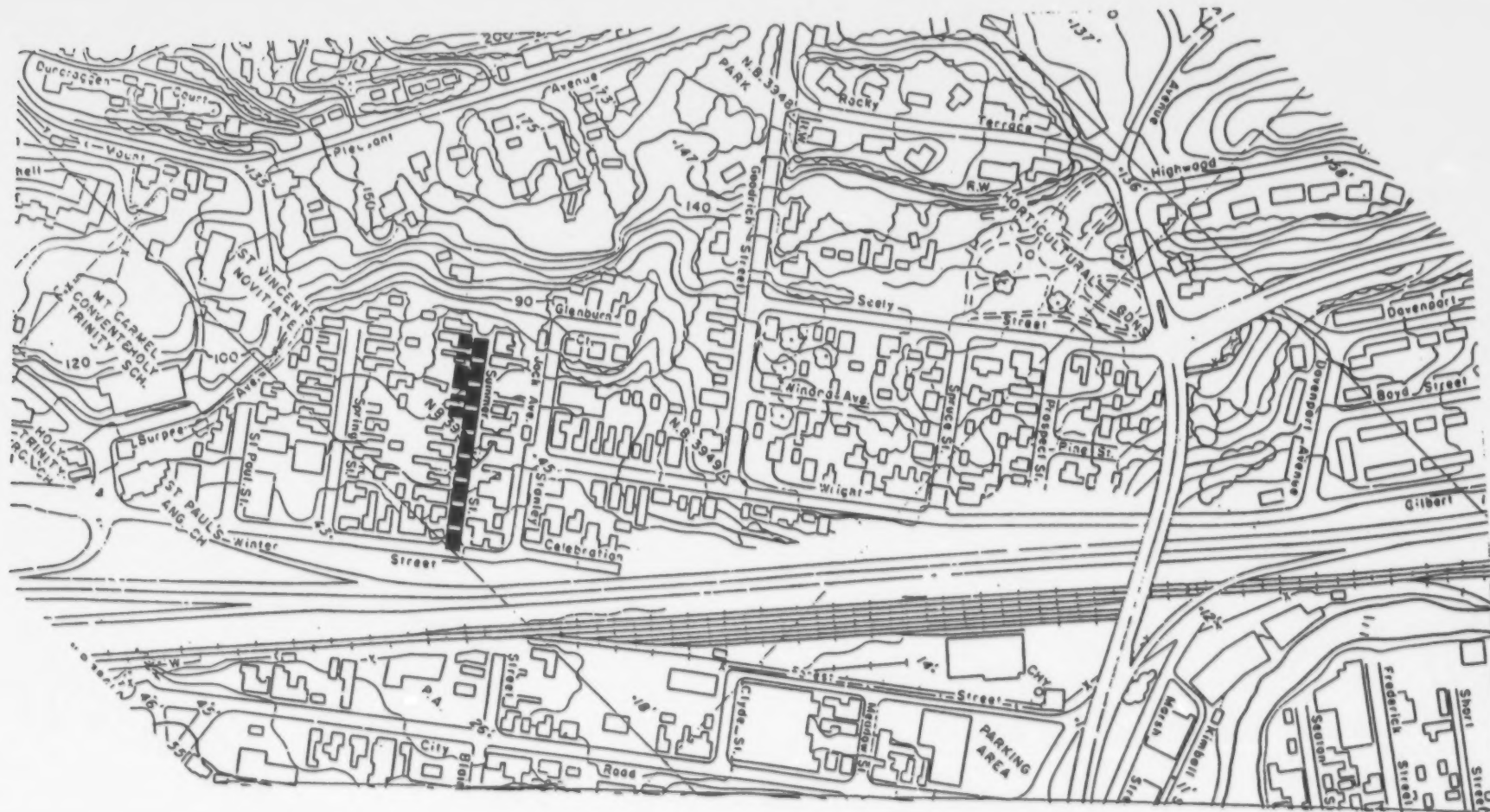
5. PROJECT DESCRIPTION:

Install 200' of 24" plus construct a swale.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>30,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>30,000</u>

7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ _____
(1990) \$ <u>30,000</u>
(1991) \$ _____
(1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME Summer Street (II)PAGE NO _____
DATE _____

PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■■■■■	Storm	1	At end of street - catch basins, piping and ditching	\$10,000
■■■■■	Transportation	2	Winter Street to end - Land for turning & drainage improvements at end of street	5,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 63

PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Summer Street (at dead end)

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

Required to prevent localized flooding of property and homes.

5. PROJECT DESCRIPTION:

Catch basins, piping and ditching.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>10,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>10,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>10,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Swanton Street

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■■■■■	Storm	1	Between Dorothea & Sherwood Dr. - install 1 M.H. and 3 C.B.'s	10,000
■■■■■	Transportation	2	Champlain Dr. to Sherwood St. - concrete curb, landscaping, concrete curb & sidewalk, landscaping	66,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 64
PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Swanton Street - between Dorothea & Sherwood Drive

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

There are very few catch basins on Swanton Street and this street is very flat, thus requiring more catch basins to pick up areas which are ponding. Also, the existing storm sewer does not have a manhole on the end of it.

5. PROJECT DESCRIPTION:

Install one manhole and three catch basins.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	\$ <u>10,000</u>
RECOVERIES	\$ _____
NET COST	\$ <u>10,000</u>

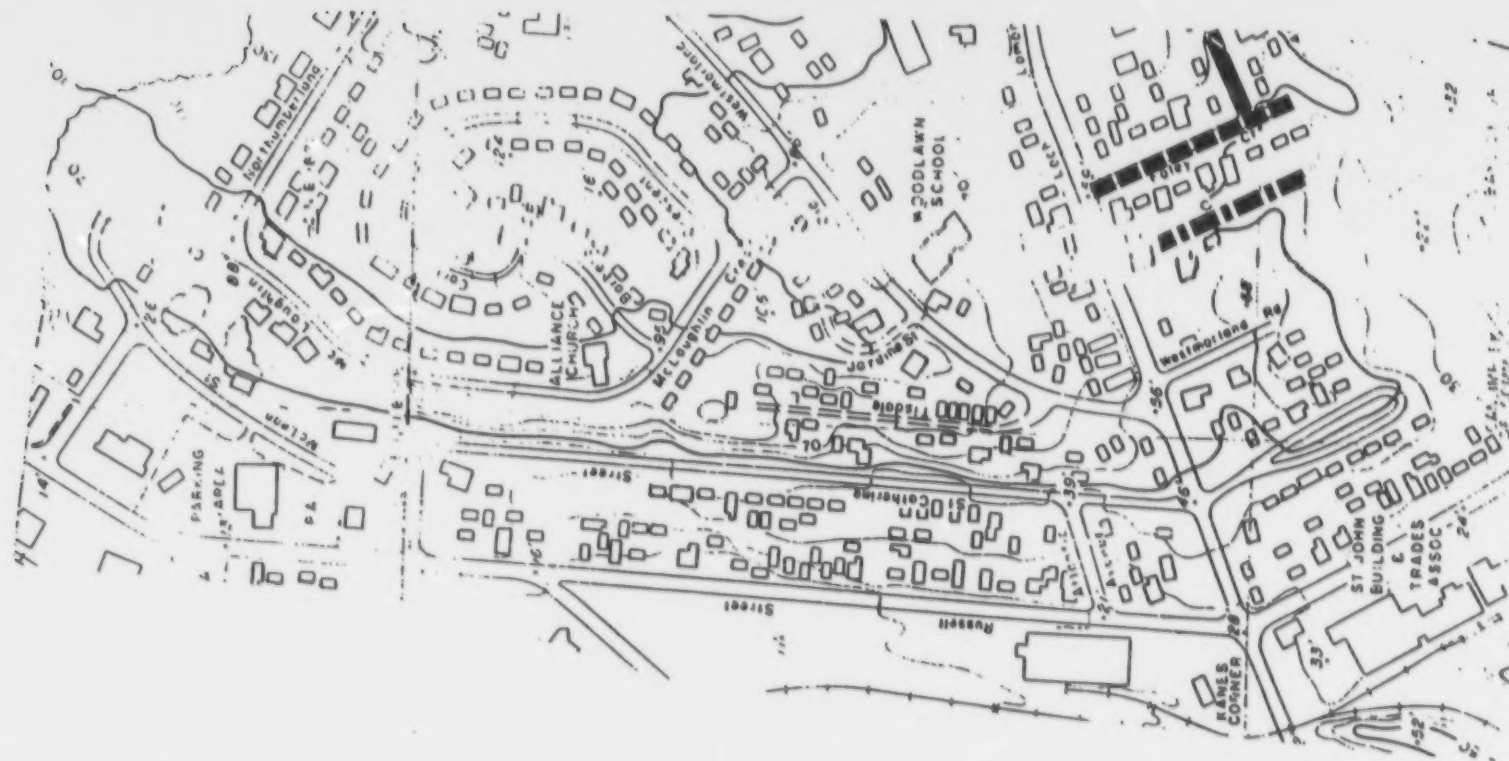
7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>10,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____

STREET NAME: Foley Court

PAGE NO.: _____

DATE: _____



PROJECT -NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■■■■■	Storm	1C	Between Foley Ct. & Westmorland St - renew approx. 400' of 12" storm sewer plus easement acquisition.	36,000
▬▬▬	Sanitary	2	#26 to #39 Foley Court - renew 200' of 60" sewer	17,000
■■■■■	Transportation	3	Loch Lomond Road to end - concrete curb and sidewalk, landscaping	38,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 65
PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Foley Court - between Foley Court and Westmorland Road

3. THIS PROJECT: ☒ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☐ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The existing storm sewer (6") is unable to handle flow during moderate to heavy run-offs causing flooding of basements in the area. An easement is required prior to upgrading this system.

5. PROJECT DESCRIPTION:

Renew approximately 400' of 12" storm sewer plus easement acquisition.

6. COSTING OBJECTS	ESTIMATED COST
GROSS COSTS	\$ <u>36,263</u>
RECOVERIES	\$ _____
NET COST	\$ <u>36,263</u>

7. ESTIMATED EXPENDITURE SCHEDULE
EXPENDED TO DATE \$ <u>263</u>
(1990) \$ <u>36,000</u>
(1991) \$ _____
(1992) \$ _____

8. PROJECT OPERATING COST
ANNUAL \$ _____

STREET NAME: Park Street Extension

PAGE NO.: _____

DATE: _____



PROJECT NO.	PROGRAM	PRIORITY	DESCRIPTION	ESTIMATED COST
■■■■■	Storm	1C	Near House #31 - retention area hydro brake & storm sewer (1000')	\$120,000
▬▬▬	Sanitary	1	#90 to #150 Park Street Extension - renew 775' of 18" concrete	89,000
▨▨▨	Water	1	#90 to #150 Park Street Extension - renew 800' of 6" C.I. (1951)	74,000



CITY OF SAINT JOHN
CAPITAL PROJECT INVENTORY WORK SHEET
1990

PAGE NO.: 66

PROJECT NO.: _____

1. DEPARTMENT: STORM

2. PROJECT TITLE AND LOCATION: Park Street Extension - near House #31

3. THIS PROJECT: ☐ (A) REPLACES AN EXISTING FACILITY ☐ (C) IS AN ADDITION TO AN EXISTING FACILITY
 ☐ (B) REHABILITATES AN EXISTING FACILITY ☒ (D) IS AN ORIGINAL FACILITY

4. PROJECT NEED AND JUSTIFICATION:

The existing combined sewer surcharges during heavy run-off causing basement flooding.

5. PROJECT DESCRIPTION:

Retention area, hydro brake, and approximately 1,000' of storm sewer.

6. <u>COSTING OBJECTS</u>	<u>ESTIMATED COST</u>
GROSS COSTS	<u>\$ 120,000</u>
RECOVERIES	<u>\$</u>
NET COST	<u>\$ 120,000</u>

7. <u>ESTIMATED EXPENDITURE SCHEDULE</u>
EXPENDED TO DATE \$ _____
(1990) \$ <u>120,000</u>
(1991) \$ _____
(1992) \$ _____

8. <u>PROJECT OPERATING COST</u>
ANNUAL \$ _____



PROJECTS PROPOSED FOR 1991

CAPITAL PROJECTS 1990 - WATER

LEGEND:- PRIOR : 1A: APPROVED PROJECTS FOR 1990
 1C: CARRY OVER (COMMITTED) PROJECTS
 1: PROJECTS PROPOSED FOR 1990
 2A: PROJECTS PROPOSED FOR 1991
 2: TENTATIVE PROJECTS FOR 1991
 3: TENTATIVE PROJECTS FOR 1992
 4: OTHER FUTURE PROJECTS
 *: WATER AND SEWERAGE RELATED PROJECTS

VIDEO INSP:-

NA: NOT APPLICABLE
 O: VIDEO REQUIRED
 6/88: MONTH/YEAR OF VIDEO DONE

KEY	BUDGET CODING	JOB#	ORIGINATED BY	PROJECT	VIDEO INSP	WORK TYPE	PRIOR	LOCATION	DESCRIPTION	ESTIMATED COST	
										RECOVERY	CITY SHARE
66		449	Staff	Charlotte Street (C)	3/86	Water	2	Princess St. to King Sq. S	Renew 300' of 12", in conjunction with Bi-Capitol	0	30,000
68		0	Sewer Ren	City Line	0	Water	2	Clifton St to Railway Tracks	Renew 1200' of 8" (1904)	0	140,000
69		0	Sewer Ren	Clarendon Street	5/87	Water	2	Douglas Street to Harvey Street	Renew 650' of 6" (1952) with 8"	0	82,000
72		0	W & S	Duchess Street	0	Water	2	Fundy Dr to Buena Vista	Install 450' of new 8" watermain	0	60,000
77		0	W & S	Gate Valves	NA	Water	2	Various Locations	Install new & repl old gate valves - Ellerdale & Union etc	0	50,000
684		0	Petition	Golden Grove Road	NA	Water	2	East of Essex Drive	Extend 12" watermain 450'	0	40,000
82		0	W & S	Holland Street	0	Water	2	Simpson Drive to Rothesay Avenue	Renew 400' of 6" (1947) with 8"	0	50,000
86		0	W & S	Manawagonish Road	0	Water	2	Birch Street Westward	Install 1300' of 12"	0	150,000
87		0	Sewer Ren	Market Place	5/87	Water	2	Duke Street to King Street	Renew 135' of 6" (1892) with 8"	0	16,000
91		0	Eng. Dept.	Phinney Hill	NA	Water	2	Phinney Hill	Design Removal	0	10,000
94		0	Sewer Ren	Queen Street (C)	5/86	Water	2	Prince William to Canterbury	Renew 400' of 6" (1870)	0	45,000
98		0	Sewer Ren	Spring Street	5/86	Water	2	Winter Street to #74	Renew 400' of 8" (1922)	0	50,000
102		0	W & S	Thorne Avenue	0	Water	2	At Kent Building Supply	Install two (2) new butterfly valves on 20"	0	30,000
TOTAL:										0	753,000

VIDEO INSP:-

NA: NOT APPLICABLE

O: VIDEO REQUIRED

6/88: MONTH/YEAR OF VIDEO DONE

BUDGET		ORIGINATED		VIDEO		WORK		LOCATION	DESCRIPTION	ESTIMATED COST	
KEY	CODING	JOB#	BY	PROJECT	INSP	TYPE	PRIOR			RECOVERY	CITY SHARE
8		0	Video	Bridge Street	6/86	Sanit	2A	Ann St to Spar Cove Creek			
17		0	Video	Duke Street (C)	5/86	Sanit	2A	Various locations	Renew 550' of 10" & 12" combined sewer	0	70,000
21		0	Eng. Dept.	Glen Road	NA	Sanit	2A	Broadway Street eastward	Renew 457' of 10" & 12" combined sewer	0	68,000
25		508	Carry-over	Highland Road	3/86	Sanit	2A	At First Sewer Outfall	New 300' of 8" sewer	0	30,000
515		0	Video	Kingsville Road	6/89	Sanit	2A	Hautrey Street to Milford Road	Lift Station and Force main	0	80,000
788		0	Eng. Dept.	Lancaster S.T.P.	NA	Sanit	2A	Lancaster S.T.P.	Renew 300' of 12"	0	30,000
29		0	Video	Lancaster Street	6/86	Sanit	2A	#413 to 410, #361 to 305	Completion of Contract	0	190,000
145		0	Video	Ludlow Street	4/87	Sanit	2A	Duke Street to Prince Street	Renew 696' of 9" & 12" sewer	0	90,000
31		0	Video	Main Street (N)	5/86	Sanit	2A	Various locations	Renew 550' of 12" & 15" sewer	0	65,000
755		0	Video	Milford Road	5/89	Sanit	2A	Old Milford School to #173	Renew 549' of 9", 15" & 20" combined sewer, Adelaide to Kennedy	0	93,000
39		0	Video	Newman Street	6/88	Sanit	2A	#40 to Elgin Street	Renew approx. 750' of 8" sewer	0	60,000
41		0	Video	Pleasant Street	6/86	Sanit	2A	#503 to Centre Street	Renew 205' of 9"	0	31,000
42		0	Video	Pokiok Road	5/85	Sanit	2A	East of McLellan Street	Renew 163' of 8"	0	29,000
56		0	Video	Princess Street	0	Sanit	2A	Pitt Street to Crown Street	300' of 12" combined sewer	0	35,000
44		0	Video	Russell Hill Road	6/88	Sanit	2A	At Outfall	Renew 365' of 12"	0	55,000
46		0	Video	St. George Street	5/87	Sanit	2A	Lancaster St-Watson & @ Ludlow	Renew 90' of 15" sewer	0	8,000
47		0	Video	St. John Street	4/87	Sanit	2A	Watson Street to Victoria Street	Renew 1050' of 15" sanit. sewer in conj. with street	0	113,000
48		0	Video	Sydney Street	5/86	Sanit	2A	Hecklenburg to #96	Renew 550' of 10" & 12" sanitary (various locations)	0	72,000
49		0	Video	Victoria Street (V)	6/86	Sanit	2A	Queen Street to St. John Street	Renew 491' of 15" combined sewer	0	70,000
50		0	Video	Woodville Road	5/87	Sanit	2A	City Line to Chapel Street	Renew 220' of 12" combined sewer	0	30,000
									Renew 635' of 24" sewer	0	85,000
TOTAL:										0	1,304,000

CAPITAL PROJECTS 1990 - STORM

LEGEND:- PRIOR : 1A: APPROVED PROJECTS FOR 1990
 1C: CARRY OVER (COMMITTED) PROJECTS
 1: PROJECTS PROPOSED FOR 1990
 2A: PROJECTS PROPOSED FOR 1991
 2: TENTATIVE PROJECTS FOR 1991
 3: TENTATIVE PROJECTS FOR 1992
 4: OTHER FUTURE PROJECTS
 *: WATER AND SEWERAGE RELATED PROJECTS

VIDEO INSP:-
 NA: NOT APPLICABLE
 O: VIDEO REQUIRED
 6/88: MONTH/YEAR OF VIDEO DONE

KEY	BUDGET CODING	JOB#	ORIGINATED BY	PROJECT	VIDEO INSP	WORK TYPE	PRIOR	LOCATION	DESCRIPTION	ESTIMATED COST	
										RECOVERY	CITY SHARE
132		O	Eng. Dept.	Gifford Road	5/89	Storm	2A	At Easement	Correct flooding problem	0	10,000
768		O	Eng. Dept.	Glenview Avenue	5/88	Storm	2A	Belgian Road to Upland Road	Install 1000' of 12"	0	100,000
120		O	Eng. Dept.	Local Drainage		Storm	2A	Various Locations		0	70,000
789		O	Sanitary	Ludlow Street	4/87	Storm	2A	Duke Street to Prince Street	600' of 10" & 12" storm sewer to separate storm systems	0	55,000
136		O	Eng. Dept.	Milford Road	5/89	Storm	2A	At Kingsville Road	Install 650' of 12" storm sewer	0	50,000
781		O	Sanitary	Pleasant Street	6/86	Storm	2A	#503 to Centre Street	200' of 12" storm sewer to separate combined system	0	24,000
783		u	Sanitary	St. George Street (W)	4/87	Storm	2A	Lancaster to Ludlow	Install 400' of 12" & 140' of 8" to sep. comb. systems	0	50,000
760		O	Sanitary	St. John Street	6/88	Storm	2A	Watson Street to Victoria Street	1000' of 12" storm sewer to separate combined system	0	94,000
TOTAL:										0	453,000

CAPITAL PROJECTS 1990 - STORM

LEGEND:- PRIOR : 1A: APPROVED PROJECTS FOR 1990
 1C: CARRY OVER (COMMITTED) PROJECTS
 1: PROJECTS PROPOSED FOR 1990
 2A: PROJECTS PROPOSED FOR 1991
 2: TENTATIVE PROJECTS FOR 1991
 3: TENTATIVE PROJECTS FOR 1992
 4: OTHER FUTURE PROJECTS
 *: WATER AND SEWERAGE RELATED PROJECTS

VIDEO INSP:-
 NA: NOT APPLICABLE
 O: VIDEO REQUIRED
 5/88: MONTH/YEAR OF VIDEO DONE

KEY	BUDGET CODING	JOB#	ORIGINATED CY	PROJECT	VIDEO INSP	WORK TYPE	PRIOR	LOCATION	DESCRIPTION	ESTIMATED COST	
										RECOVERY	CITY SHARE
777		0	Staff	Charlotte Street (C))	3/86	Storm	2	At Princess Street	Separate combined sewer	0	23,000
134		0	Eng. Dept.	Daniel Avenue	5/88	Storm	2	At Church	Separate Storm & Sanitary at Church - 220' of 8"	0	20,000
135		0	Eng. Dept.	Greenhead Road	0	Storm	2	At Russell Hill Road	Install 530' of 12" pipe plus catch basins, etc.	0	50,000
138		0	Eng. Dept.	Millidge Avenue	5/88	Storm	2	Hill Heights Rd. to Hayward Cres	Separate storm and sanitary	0	21,000
2		0	Eng. Dept.	Millidge Avenue	5/88	Storm	2	University Avenue to Reed Street	Install 700' of 18" storm sewer and C.B.'s	0	80,000
137		0	Staff	Millidge Avenue	5/88	Storm	2	Manners Sutton Road to river	Install 1000' of 12" storm & purchase easement	0	100,000
121		0	Video	Sewer Separation	0	Storm	2	Various locations	Projects generated from renewal of combined sewers	0	200,000
TOTAL:										0	494,000



PROJECTS PROPOSED FOR 1992

VIDEO INSP: -

NA: NOT APPLICABLE

O: VIDEO REQUIRED

6/88: MONTH/YEAR OF VIDEO DONE

BUDGET		ORIGINATED		VIDEO		WORK		LOCATION	DESCRIPTION	ESTIMATED COST	
FY	CODING	JOB#	BY	PROJECT	INSP	TYPE	PRIOR			RECOVERY	CITY SHARE
65		0	W & S	Cedar Street	6/87	Water	3	Whole length			
71		0	Sewer Ren	Connors Street	5/87	Water	3	McKiel Street to Busby	Replace watermain (500')		
109		0	Sewer Ren	Dufferin Row	5/87	Water	3	Lancaster Ave to Chapel St	Renew 325' of 8" (1920)	0	71,000
75		0	Sewer Ren	Earl Avenue	6/89	Water	3	Lancaster Avenue westward	Renew 320' of 8" watermain	0	45,000
510		0	Sewer Ren	Gifford Road	5/89	Water	3	Total length to railway tracks	Renew 360' of 6" watermain	0	37,000
81		0	W & S	Haymarket Square	0	Water	3	Various locations	Renew 1400' of 8" with 12" (1945 & 1910)	0	34,000
112		0	W & S	Industrial Drive	0	Water	3	Grandview Ave to Expansion Ave	Gate valve 2-16", 1-10", 3-12", plus chambers	0	160,000
113		0	W & S	King Square (S)	0	Water	3	Charlotte to Sydney St	Replace watermain 4000' of 12" (1967)	0	100,000
59		0	W & S	Latimer Lake	NA	Water	3	Dry Lake Chamber	Renew watermain 470' of 8"	0	600,000
84		0	Carry-over	Latimer Lake Building	NA	Water	3	Removal of chamber & improvements to transmission mains		0	45,000
578		0	Eng. Dept.	Manewagonish Road	7/78	Water	3	Latimer Lake	Upgrading intake building	0	550,000
116		0	Sewer Ren	Newman Street	6/88	Water	3	Fairville Boulevard westward	Install 2000' of 12" pipe	0	70,000
512		0	Sewer	Ritchie Street	5/89	Water	3	855 to Elgin	Renew 180' of 8" watermain	0	200,000
95		0	W & S	Rothersey Avenue	0	Water	3	City Road to Rock Street	Renew 260' of 8" C.I. (1930)	0	22,000
97		0	W & S	Rothersey Avenue *	0	Water	3	Northumberland to McDonald's	Renew 700' of 8" (1957)	0	25,000
100		0	Carry-over	Spruce Lake Dam	NA	Water	3	McLean Street to Northumberland	Renew 1000' of 8" (1957)	0	70,000
758		0	Sanitary	Waterloo Street	5/86	Water	3	Spruce Lake	Design for repairs	0	110,000
								Richmond to Haymarket Square	Renew approx. 1800' of 12" C.I. (1856)	0	20,000
TOTAL:										0	2,239,000

CAPITAL PROJECTS 1990 - SANITARY

LEGEND:- PRIOR : 1A: APPROVED PROJECTS FOR 1990
 1C: CARRY OVER (COMMITTED) PROJECTS
 1: PROJECTS PROPOSED FOR 1990
 2A: PROJECTS PROPOSED FOR 1991
 2: TENTATIVE PROJECTS FOR 1991
 3: TENTATIVE PROJECTS FOR 1992
 4: OTHER FUTURE PROJECTS
 *: WATER AND SEWERAGE RELATED PROJECTS

VIDEO INSP:-
 NA: NOT APPLICABLE
 O: VIDEO REQUIRED
 6/88: MONTH/YEAR OF VIDEO DONE

KEY	BUDGET CODING	JOB#	ORIGINATED BY	PROJECT	VIDEO INSP	WORK TYPE	PRIOR	LOCATION	DESCRIPTION	ESTIMATED COST	
										RECOVERY	CITY SHARE
15		O	Video	Connors Street	5/87	Sanit	3	McKiel to Busby St	Renew 325' of 8" sewer	0	35,000
52		O	Video	Dufferin Row	5/87	Sanit	3	Lancaster Ave to Chapel St	Renew 318' of 10" combined sewer	0	31,000
18		O	W & S	Earl Avenue	6/89	Sanit	3	Lancaster Avenue Westward	Renew 350' of 8" sewer	0	40,000
517		O	Video	Francis Street	5/89	Sanit	3	Milford Rd. to Allison St.	Renew 500' of 8" T.C.	0	39,000
6		O	Eng. Dept.	Gifford Road	5/89	Sanit	3	Tot.Length to under Railway Trac	Renew 1520' of 8" T.C. sewer	0	150,000
54		O	Video	Harmony Drive	6/87	Sanit	3	Civic #10 to #19	Renew 85' of 8" sewer	0	8,000
55		O	Video	Newman Street	6/88	Sanit	3	#65 to Elgin Street	Renew 173' of 9" sewer	0	32,000
537		O	Video	Ritchie Street	5/89	Sanit	3	City Road to Rock Street	Renew 260' of 9" T.C.	0	38,000
793		O	Video	Various Locations	0	Sanit	3	Various Locations	Projects generated from future video inspection of sewers	0	1,700,000
665		O	Video	Waterloo Street	5/86	Sanit	3	Richmond to Haymarket Square	Renew approx. 1855' of 12" & 15" sewer (1869)	0	243,000
TOTAL:										0	2,316,000

CAPITAL PROJECTS 1990 - STORM

LEGEND:- PRIOR : 1A: APPROVED PROJECTS FOR 1990
 1C: CARRY OVER (COMMITTED) PROJECTS
 1: PROJECTS PROPOSED FOR 1990
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 2: TENTATIVE PROJECTS FOR 1991
 3: TENTATIVE PROJECTS FOR 1992
 4: OTHER FUTURE PROJECTS
 *: WATER AND SEWERAGE RELATED PROJECTS

VIDEO INSP:-
 NA: NOT APPLICABLE
 0: VIDEO REQUIRED
 6/88: MONTH/YEAR OF VIDEO DONE

BUDGET KEY	CODING	JOB#	ORIGINATED BY	PROJECT	VIDEO INSP	WORK TYPE	PRIOR	LOCATION	DESCRIPTION	ESTIMATED COST	
										RECOVERY	CITY SHARE
690		0	Eng. Dept.	Local Drainage	0	Storm	3	Various locations	Correcting small existing drainage problems	0	70,000
141		0	Eng. Dept.	Mount Pleasant Ave (E)	7/89	Storm	3	In the area of #127	Design/install storm sewer sys to elimin.flooding basements	0	11,000
794		0	Video	Sewer Separation	0	Storm	3	Various locations	Projects generated from renewals of combined sewer	0	500,000
795		0		Sewer Separation	0	Storm	3	Various locations	Projects req. to correct flooding & sewage treatment problem	0	200,000
142		0	Staff	Somerset Street	0	Storm	3	Taylor Ave to Millidge Ave	Install 1160' of 18" & 24" storm, catch basins etc.	0	170,000
140		0	Eng. Dept.	Winter Street Area	0	Storm	3	Starting at 48" at Stanley St.	Separate Sewers in this area (design)	0	5,000
TOTAL:										0	956,000



OTHER FUTURE PROJECTS

CAPITAL PROJECTS 1990 - WATER

LEGEND:- PRIOR : 1A: APPROVED PROJECTS FOR 1990
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 2: TENTATIVE PROJECTS FOR 1991
 3: TENTATIVE PROJECTS FOR 1992
 4: OTHER FUTURE PROJECTS
 *: WATER AND SEWERAGE RELATED PROJECTS

VIDEO INSP:-

NA: NOT APPLICABLE
 O: VIDEO REQUIRED
 6/88: MONTH/YEAR OF VIDEO DONE

KEY	BUDGET CODING	JOB#	ORIGINATED BY	PROJECT	VIDEO INSP	WORK TYPE	PRIOR	LOCATION	DESCRIPTION	ESTIMATED COST	
										RECOVERY	CITY SHARE
107		0	Citizen	Boyland Road	NA	Water	4	Grandview Ave to Flecknell Ave	Installing 500' of 8" watermain	0	60,000
110		0	Citizen	Flecknell Avenue	NA	Water	4	Boyland Road to end	Installing 500' of 8" watermain	0	45,000
108		0	City	Forest Hills	NA	Water	4	Lakewood Ave. to Willie Avenue	New Pumps and mains & eliminating Mountain Rd Pump Sta.	0	1,000,000
111		0	Citizen	Grandview Avenue	NA	Water	4	Heatherway to McLeod Street	Installing 3800' of 12"	0	310,000
115		0	W & S	Little River Valve Yard	NA	Water	4	Lakewood Heights Pump Station	Replace valves and chambers	0	500,000
776		0	W & S	Manners Sutton Road	0	Water	4	Millidge Avenue westward	Renew 1200' of 8" (1986)	0	120,000
511		0	Sewer Ren	Richmond Street	5/89	Water	4	Waterloo St & Prince Edward St.	Renew 500' of 8" C.I (1971)	0	60,000
118		0	W & S	Rothsay Avenue	0	Water	4	Ashburn to McAllister	Renew 2500' of 12" (1931) to new 12" P.V.C.	0	260,000
119		0	W & S	Rothsay Pulp & Paper	NA	Water	4	Little River to Latimer Lake	Dedicating one watermain	0	4,400,000
123		0	Eng. Dept.	West Side 30" Main	NA	Water	4	Spruce Lake to Gault Road	Install 10,000' of 30" watermain	0	1,500,000
122		0	W & S	West Side 30" Main	NA	Water	4	Gault to Manchester	Install 7000' of 30" transmission watermain	0	1,050,000
TOTAL:										0	9,305,000

CAPITAL PROJECTS 1990 - SANITARY

LEGEND:- PRIOR : 1A: APPROVED PROJECTS FOR 1990
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 *: WATER AND SEWERAGE RELATED PROJECTS

VIDEO INSP:-
 NA: NOT APPLICABLE
 O: VIDEO REQUIRED
 6/88: MONTH/YEAR OF VIDEO DONE

KEY	BUDGET		JOB#	ORIGINATED		PROJECT	VIDEO WORK			LOCATION	DESCRIPTION	ESTIMATED COST	
	CODING			BY			INSP	TYPE	PRIOR			RECOVERY	CITY SHARE
51			O	Citizen		Boyland Road	NA	Sanit	4	Boyland Road to 36" Main	Install 1500' of 10" & acquire easement	0	115,000
53			O	Citizen		Flecknell Avenue	NA	Sanit	4	Boyland Road to end	Install 500' of 8" sanitary sewer	0	40,000
518			O	Video		Richmond Street	5/89	Sanit	4	#3 Waterloo to Prince Edward	Renew 415' of 12" T.C.	0	49,000
57			O	Citizen		Rothsay Road	NA	Sanit	4	Rothsay Road and Side Street	16500' of various size pipes and lift stations, etc.	0	2,000,000
58			O	Video		Sand Cove Road	6/88	Sanit	4	Lawrence to Young Street	Renew 320' of 9" sewer	0	28,000
TOTAL:												0	2,232,000